CONSTRUCTION NEWS

Engineering News-Record, Sept. 10, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Paper mill, Three Rivers, Que., St. Maurice Paper Co., Montreal, having plans prepared, $6,000,000.

Widening streets, Youngstown, O., city plans on widening streets, $3,504,000.

Hotel, Detroit, Mich., J. J. Barlum having plans prepared, $2,500,000.

Jail and court buildings, Chicago, Ill., Cook county having plans prepared, $2,500,000.

Paving, Cleveland, O., city plans bond election, $2,000,000.

Irrigation, Surveys in Potter and Oldham counties, Tex.,, $2,000,000.

Office, San Antonio, Tex., T. B. Baker & Associates having plans prepared, $2,000,000.

Bridge, Mobile, Ala., city making plans, $2,000,000.

Office, Chicago, Ill., Standard Oil Co. of Indiana having plans prepared, $2,000,000.

Office, San Antonio, Tex., T. B. Baker & Associates having preliminary plans prepared, $2,000,000.

Blast furnace and power plant, Granite City, Ill., St. Louis Coke & Iron Co. plans new plant, $2,000,000.

Theatre, New York, N. Y. W. Fox plans theatre, $1,500,000.

Street and sewer work, Los Angeles, Calif., city plans bond election, $1,250,000.

Road improvement, San Rafael, Calif., city plans bond election, $1,250,000.

Sewers, Cleveland, O., city plans bond election, $1,000,000.

Court house, Santa Barbara, Calif., city plans bond election, $1,000,000.

Hall, Chicago, Ill., University of Chicago having plans prepared, $1,000,000.

Hospital, Los Angeles, Calif., Hospital of Good Samaritan having plans prepared, $1,000,000.

Bids Wanted On Big Jobs

Bank and office, New York, N. Y., Seaman's Bank for Savings soon takes bids, $2,000,000.

High school, Chicago, Ill., Sept. 29, Bd. of Educ, $1,250,000.

Hotel, Long Beach, Calif, F. B. Dunn taking bids, $1,000,000.

Large Contracts Let During Week

Hotel, West Palm Beach, Fla., Ritz-Carlton Hotel Corp., to Dwight P. Robinson & Co., New York City, $4,000,000.

Hospital, Creedmoor, N. Y., State Hospital Comn. let three contracts, total, $3,750,049.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record

WATERWORKS

Sept. 12	Memphis, Tenn.	Sept. 10
Sept. 14	Coraopolis, Pa.	Sept. 3
Sept. 14	Pennington, N. J.	Sept. 3
Sept. 15	Detroit, Mich.	Aug. 27
Sept. 15	Potsdam, N. Y. Adv. Sept. 3 and 10.	Sept. 10
Sept. 15	Holdenville, Okla.	Sept. 10
Sept. 15	Davenport, Okla.	Sept. 10
Sept. 15	Austin, Minn.	Sept. 10
Sept. 16	New York, N. Y.	Aug. 13
Sept. 17	Cincinnati, O.	Sept. 10
Sept. 18	New York, N. Y.	Sept. 10
Sept. 18	Cambridge, Minn.	Sept. 10
Sept. 18	Isala, Miss.	Aug. 27
Sept. 21	Masontown, Pa.	Sept. 3
Sept. 22	Wheeling, W. Va. Adv. Sept. 10.	Sept. 10
Sept. 22	Tallahassee, Fla. Adv. Aug. 27 to Sept. 10.	Aug. 27
Sept. 22	Youngstown, O.	Aug. 27
Sept. 22	Vancouver, B. C.	Sept. 10
Sept. 30	Staunton, Ill.	Sept. 10

SEWERS

Sept. 14	Berea, O.	Aug. 27
Sept. 14	Detroit, Mich.	Sept. 3
Sept. 14	Plymouth, Mich.	Sept. 3
Sept. 14	Chicago, Ill.	Sept. 10
Sept. 14	Steger, Ill. Adv. Sept. 10.	Sept. 10
Sept. 14	Detroit, Mich.	Sept. 10
Sept. 14	St. Joseph, Mo.	Sept. 10
Sept. 15	San Antonio, Tex.	Sept. 10
Sept. 15	Boston, Mass.	Sept. 10
Sept. 15	Libertyville, Ill.	Aug. 13
Sept. 15	Tampa, Fla.	Sept. 3
Sept. 15	Holdenville, Okla.	Sept. 10
Sept. 16	San Francisco, Calif.	Sept. 10
Sept. 16	Cleveland, O.	Sept. 10
Sept. 16	Cincinnati, O.	Sept. 10
Sept. 16	Beloit, Wis.	Sept. 10
Sept. 17	Boston, Mass.	Sept. 10
Sept. 17	Taylorville, Ill.	Sept. 3
Sept. 18	Lincoln Park, Mich.	Sept. 3
Sept. 18	Boston, Mass.	Sept. 10
Sept. 21	Boston, Mass.	Sept. 10
Sept. 21	Los Angeles, Calif.	Sept. 10
Sept. 23	Grand Rapids, Mich. Adv. Sept. 3 and 10.	Sept. 3
Sept. 23	Boston, Mass.	Sept. 10
Sept. 25	Louisville, Ky. Adv. Sept. 3 and 10.	Sept. 3
Oct. 6	Lynn, Mass.	Sept. 3

BRIDGES

Sept. 11	Dayton, O.	Aug. 27
Sept. 14	Pennsylvania Adv. Aug. 20 to Sept. 10.	Aug. 27
Sept. 14	Chester, Pa. Adv. Aug. 20 to Sept. 10.	Aug. 27
Sept. 14	Connecticut	Sept. 10
Sept. 15	Clinton, Okla.	Sept. 10
Sept. 15	Hutchinson, Kan.	Sept. 10
Sept. 16	Providence, R. I.	Aug. 27
Sept. 23	Roach, W. Va. Adv. Sept. 3 and 10.	Sept. 3
Sept. 25	Cincinnati, O.	Sept. 3
Sept. 28	Croydon, (Bridgewater P. O.) Pa. Adv. Sept. 10.	Sept. 10
Sept. 29	Ford, Kan.	Sept. 10
Oct. 1	New Braunfels, Tex.	Aug. 27
Oct. 8	Charleston, W. Va.	Sept. 10

DAMS

Sept. 21	Streator, Ill.	Sept. 3
Oct. 12	Los Angeles, Calif.	Aug. 20

EXCAVATION, DRAINAGE IRRIGATION, LEVEES

Sept. 22	Welland, Ont.	Aug. 27
Sept. 22	Edinburg, Tex. Adv. Aug. 20 to Sept. 10.	Aug. 27
Sept. 25	Thomson, N. Y. Adv. Sept. 3 and 10.	Sept. 3

STREETS AND ROADS

Sept. 11	Peru, Ind.	Sept. 3
Sept. 11	Logansport, Ind.	Sept. 3
Sept. 12	Cleveland, O.	Sept. 3
Sept. 14	Hackettstown, N. J. Adv. Sept. 3 and 10.	Sept. 3
Sept. 14	New Jersey	Aug. 27
Sept. 14	Greenville, Miss.	Sept. 3
Sept. 14	Amory, Miss.	Sept. 10
Sept. 14	Milwaukee, Wis.	Sept. 10
Sept. 14	Mexico, Mo.	Sept. 10
Sept. 15	Tampa, Fla.	Sept. 10
Sept. 15	Burlington, N. J.	Sept. 10
Sept. 15	Philippi, W. Va.	Sept. 10
Sept. 15	Monticello, Fla.	Sept. 3
Sept. 15	St. Louis, Mo.	Aug. 20
Sept. 15	Louisiana	Aug. 27
Sept. 15	Albert Lea, Minn.	Aug. 27
Sept. 15	Oklahoma	Sept. 10
Sept. 15	South Carolina	Sept. 10
Sept. 15	Maryland Adv. Sept. 10.	Sept. 10
Sept. 16	Delaware	Sept. 3
Sept. 16	Nebraska	Sept. 10
Sept. 16	Maryville, Mo.	Sept. 10
Sept. 16	Columbus, O.	Sept. 10
Sept. 16	Maine	Sept. 10
Sept. 17	Trenton, N. J.	Sept. 10
Sept. 17	Phila., Pa.	Sept. 10
Sept. 17	Kansas City, Mo.	Sept. 3
Sept. 17	Kansas City, Kan.	Sept. 3
Sept. 17	San Diego, Tex.	Sept. 3
Sept. 18	North Dakota	Sept. 3
Sept. 18	Creedmoor (mail Floral Park), N. Y. Adv. Sept. 10.	Sept. 10
Sept. 19	New Albany, Ind.	Sept. 3
Sept. 19	Baltimore, Md.	Sept. 10
Sept. 21	California	Sept. 10
Sept. 21	Little Silver, N. J. Adv. Sept. 3 and 10.	Sept. 3
Sept. 21	Kentucky	Aug. 27
Sept. 22	New Orleans, La.	July 2
Sept. 22	Edinburg, Tex.	Aug. 20
Sept. 22	Pennsylvania Adv. Sept. 3 and 10.	Sept. 3
Sept. 22	Natchez, Miss.	Sept. 10
Sept. 23	Elizabeth City, N. C.	Sept. 3
Sept. 24	New Orleans, La.	July 2
Sept. 24	Lyndon, Kan.	Sept. 3
Sept. 24	Mount Doro, Fla.	Sept. 3
Sept. 24	Louisiana	Sept. 3
Sept. 25	Oskaloosa, Kan.	Sept. 3
Sept. 25	New York Adv. Sept. 10.	Sept. 10
Sept. 25	San Antonio, Tex.	Sept. 10
Sept. 26	Berkley Springs, W. Va.	Sept. 10
Sept. 29	West Virginia	Sept. 10
Sept. 29	Siloam Springs, Ark.	Sept. 10
Sept. 29	Louisville, Miss.	Sept. 10
Sept. 29	Charleston, W. Va.	Sept. 10
Sept. 29	Arkansas	Sept. 10
Sept. 29	West Virginia	Sept. 10
Sept. 30	Orlando, Fla.	Sept. 10
Oct. 2	San Antonio, Tex.	Sept. 10
Oct. 2	Oberlin, Kan.	Sept. 10
Oct. 14	Alabama	Sept. 10
Oct. 15	Alabama	Sept. 10

BUILDINGS—INDUSTRIAL

Sept. 14	Baltimore, Md.	Sept. 3
Sept. 15	Edgewater, N. J.	Sept. 10
Oct. 13	Durban, South Africa	July 30

BUILDINGS—COMMERCIAL

Sept. 14	Phila., Pa.	Sept. 3
Sept. 14	Phila., Pa.	Sept. 10
Sept. 15	Chicago, Ill.	Aug. 20
Sept. 15	St. Louis, Mo.	Aug. 20
Sept. 15	Skillman, N. J.	Sept. 10
Sept. 15	Worcester, Mass.	Sept. 10
Sept. 15	Chicago, Ill.	Aug. 27
Sept. 15	Miami, Fla.	Sept. 3
Sept. 15	Chicago, Ill.	Sept. 10
Sept. 16	Utica, N. Y. Adv. Sept. 10.	Sept. 10
Sept. 16	Wingdale, N. Y.	Aug. 27
Sept. 17	St. Joseph, Mo.	Sept. 3
Sept. 18	Corsicana, Tex.	Sept. 10
Sept. 18	Vancouver, B. C.	Sept. 10
Sept. 22	Cleveland, O.	Sept. 3
Sept. 23	Marcy, N. Y. Adv. Sept. 10.	Sept. 10

Bids Close		See Eng. News-Record
Sept. 24	Mobile, Ala.	Sept. 10
Sept. 29	Chicago, Ill.	Sept. 10
Oct. 6	Labelle, Fla.	Aug. 20
	Adv. Aug. 20 to Sept. 10.	
Oct. 12	Breckenridge, Tex.	Sept. 3
Nov. 15	Aurora, Ill.	Aug. 27

BUILDINGS—EDUCATIONAL, RELIGIOUS

Sept. 12	Phila., Pa.	Sept. 3
Sept. 14	New Bedford, Mass.	Aug. 27
Sept. 15	Leetsdale, Pa.	Sept. 10
Sept. 15	Buffalo, N. Y.	Sept. 3
Sept. 15	Wash., D. C.	Sept. 10
Sept. 17	Sacramento, Calif.	Sept. 10
Sept. 20	Jackson, Mich.	Aug. 27
Sept. 22	Marshalltown, Ia.	Sept. 3
Sept. 22	Detroit, Mich.	Sept. 10
Sept. 23	Baltimore, Md.	Sept. 10
Sept. 29	Cleveland, O.	Sept. 3
Sept. 30	Virginia, Minn.	Aug. 20

FEDERAL GOVERNMENT WORK

Sept. 12	Gate Machinery—Florence, Ala.	Sept. 10
Sept. 14	Dredging—New York, N. Y.	Aug. 20
	Adv. Aug. 20 to Sept. 10.	
Sept. 15	Kitchen and Mess Building—Perry Point, Md.	Aug. 20
Sept. 15	Dredging—Mobile, Ala.	Aug. 20
	Adv. Aug. 20 to Sept. 10.	
Sept. 15	Piers—Boston, Mass.	Sept. 3
Sept. 15	Dike—Kansas City, Mo.	Sept. 10
Sept. 15	Pumps, etc.—Boston, Mass.	Sept. 10
Sept. 16	Paving—Phila., Pa.	Aug. 20
Sept. 18	Remodeling—Savannah, Ga.	Aug. 27
Sept. 21	Barges—St. Louis, Mo.	Aug. 27
Sept. 22	Filtration Plant—Wash., D. C.	Aug. 27
	Adv. Aug. 27 to Sept. 10.	
Sept. 22	Post Office—Sandusky, O.	Aug. 20
Sept. 23	Painting—St. Paul, Minn.	Sept. 3
	Adv. Sept. 3.	
Sept. 23	Gate Hoist—Florence, Ala.	Sept. 10
	Adv. E. N.-R. Sept. 10.	
Sept. 24	Remodeling—Holyoke, Mass.	Sept. 3
Sept. 24	Air Compressor—Florence, Ala.	Aug. 27
	Adv. Aug. 27 to Sept. 10.	
Sept. 24	Dredging—New York, N. Y.	Sept. 3
Sept. 25	Post Office—Comanche, Tex.	Aug. 27
Sept. 25	Tender—Wash., D. C.	Aug. 27
Sept. 25	Hydraulic Dredge—Norfolk, Va.	Sept. 3
	Adv. Aug. 27 to Sept. 10.	
Sept. 30	Quarters, etc.—Sackets Harbor, N. Y.	Sept. 3
	Adv. Sept. 3 and 10.	
Sept. 30	Quarters—Oceanport, N. J.	Sept. 3
	Adv. Sept. 3 and 10.	
Sept. 30	Post Office—Cheboygan, Mich.	Sept. 10
Oct. 2	Dredging—Stamford, Conn.	Sept. 3
	Adv. Sept. 3 and 10.	

UNCLASSIFIED

Sept. 11	Grand Stand—York, Pa.	Sept. 3
Sept. 11	Oil Burning System—New York, N. Y.	Sept. 3
Sept. 11	Special Work—Brooklyn, N. Y.	Sept. 3
Sept. 11	Jetty, etc.—Ottawa, Ont.	Sept. 3
Sept. 15	Breakwater, etc.—Canada	Sept. 3
Sept. 15	Heating and Ventilating—Waltham, Mass.	Sept. 3
Sept. 15	Wharf—New Orleans, La.	Sept. 10
Sept. 16	Heating and Ventilating—Boston, Mass.	Sept. 10
Sept. 17	Sea Wall—Lockport, Ill.	Sept. 10
Sept. 17	Wiring, etc.—Buffalo, N. Y.	Sept. 3
Sept. 17	Breakwater—Grand Harbor, N. B.	Sept. 3
Sept. 18	Subway—New York, N. Y.	Sept. 10
Sept. 23	Breakwater—Port Maitland, N. S.	Sept. 10
Sept. 24	Pier—Toronto, Ont.	Sept. 10
Sept. 25	Subway—Wash., D. C.	Sept. 3
Sept. 29	Towers—Wellington, New Zealand	Aug. 6
Oct. 1	Foundation—Madison, Wis.	July 30
Oct. 6	Ventilation Buildings, New York, N. Y.	Sept. 10

MATERIALS

Sept. 16	Lumber, etc.—New York, N. Y.	Sept. 10
Sept. 29	Pipe—Long Beach, Calif.	Sept. 3
Oct. 10	Wire—Melbourne, Australia	Aug. 20
Oct. 13	Insulation Strings—Wellington, New Zealand	Aug. 6
Oct. 20	Telephone Cable—Melbourne, Australia	Aug. 20
Nov. 9	Cable—Melbourne, Australia	Aug. 20

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Longport—Plans extending mains in various streets. $22,000. E. D. Rightmire, city engr.

N. J., Woodbury—Plans new reservoir at water plant. $25,000. G. R. Schenck, councilman. Engineer not selected.

Miss., Ocean Springs—Election Oct. 3, $75,000 bonds, for waterworks and distribution system, etc.

Tenn., Watertown—Voted $55,000 bonds, for waterworks, incl. 225,000 gal. steel or rein.-con. reservoir. Ambler Eng. Co., Travelers' Bldg., Richmond, Va., engrs. Noted July 2.

O., Lakewood (Cleveland P. O.)—Election Nov. 3, $32,000 bonds, mains in various streets. E. A. Fisher, City Hall, engr.

O., Barberton—Soon takes bids extending mains in all sections, also extending mains and erecting standpipe in east side. $150,000.

O., Wickliffe—Takes bids this fall, 4 mi. 6 and 8 in. c.i. mains in various streets. Sterling Eng. Co., 7016 Euclid Ave., Cleveland, engrs.

Kan., Iola — Plans waterworks improvements, incl. new filtration plant, etc. O. W. Holmes, city clk.

Kan., Tescott — Defeated $33,000 bonds, for waterworks. Noted July 23.

N. D., Fargo—Making plans mains around city loop. $100,000. R. T. Jacobson, city engr.

Mont., Billings—Yellowstone Co. making plans extending mains into suburbs south of here, incl. approximately 7,690 ft. in Dist. 19, 3,088 ft. in Dist. 20 and 4,745 ft. in Dist. 21. $14,521.

Mo., Puxico—See "Buildings—Industrial."

Tex., Big Lake—Voted $25,000 bonds for waterworks improvements, incl. additional mains, etc. Address Mayor.

Tex., Bryan — Election Oct. 6, $25,000 bonds, to purchase tank and tower for waterworks. J. B. Miller, city mgr.

Tex., Como — Election soon $35,000 or more bonds, waterworks system. Address Mayor.

Tex., Duncanville — Election soon $40,000 or more bonds waterworks system. Address Mayor.

Tex., Hubbard—Making plans waterworks improvements. $75,000. Elrod Eng. Co., 3124 Main St., Dallas, engrs.

Tex., Muleshoe—Making plans new waterworks. $45,000. Gantt Baker Co., 116 West Main St., Oklahoma City, Okla., engr.

Tex., Richardson — Voted $50,000 bonds, complete waterworks. E. L. Dalton, 319 Wilson Bldg., Dallas, consult. engr. Noted July 23.

Okla., Altus—Made surveys gravity water supply from Lugert in Wichita Mountains. $850,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs. Noted Sept. 3.

Okla., Frederick — Making preliminary plans new main extensions, wells and large concrete reservoir. $35,000. E. U. Gamblin, mayor. Engineer not announced.

Okla., Red Fork—Takes bids in September new waterworks, incl. wells, pumps, motors, tanks and mains. $65,000. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Calif., Newport Beach—Election Sept. 10, $350,000 bonds, for water improvements.

BIDS DESIRED

N. Y., New York—Sept. 18, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc. in Spuyten Duyvil Rd., Arlington, Barkley, Castle Hill, Edison, Edson, Griswold, Hering, Hone, Hunter, Husson, Liebig, Lodovick, Miles, Paulding, Pilgrim, Randall, Rhinelander, Roberts, Seymour and Story Aves.; Baretto, Casanova, Poplar, East 211th and West 234th Sts.

N. Y., Potsdam—Sept. 15, by Municipal Bd., Village Hall, 4 rein.-con. rapid mechanical filters of 2 m.g. per day total capacity, etc. Bogart & Pohl, 30 Church St., New York City, engrs.; adv. E. N.-R. Sept. 10.

W. Va., Wheeling — Sept. 22, by City Booster pumping station, on National Pike at Elm Grove. J. N. Chester Engineers, Pittsburgh, Pa.; adv. E. N.-R. Sept. 10.

O., Cincinnati—Sept. 17, by Director Pub. Serv., 38,450 ft. 16- to 24-in. c.i. mains, special castings, etc. from Western Hills Pumping Station to Mt. Airy. $110,000. F. Krug, City Hall, engr.

Ill., Staunton — Sept. 30, by City Clerk, earth dam, concrete spillway, core wall, bridge, intake, 4,000 sq.yd. brick paving on dam, 8,000 ft. 12 in. c.i. pipe, 2 m.g.p.m. filter plant, steam heating plant, 200,000 gal. concrete reservoir, 100,000 gal. tank on tower, two 700 g.p.m. 100 ft. one 500 g.p.m. 40 ft., one 500 g.p.m. 125 ft. and one 1,000 g.p.m. 125 ft. motor driven head pumps, also 2 mi. transmission line and 2 mi. telephone lines, etc. $200,000. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs. Noted July 16.

Minn., Austin — Sept. 15, by D. C. Todd, secy. Water, Electric Light, Gas & Power Comn., raising and rein.-con. surfacing 665 ft. wall, 12.5 ft. deep and 8 in. thick; also constructing concrete columns to support 25,500 sq.ft. concrete slab roof for city springs. $15,000.

Minn., Cambridge — Sept. 18, by S. R. Bronnicke, village recdr., watermains extensions, drilling well and installing pump and motor, etc.

Okla., Davenport—Sept. 15, by T. Combs, city clk., new waterworks, incl. 17,900 ft. 4- to 8-in. c.i. pipe, well, pump, motor tank, valves, hydrants, mains, etc. $47,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted July 23.

Okla., Holdenville—Sept. 15, by J. Kirk, city clk., new pumping equipment, mains, valves, hydrants, 2 m.g. steel reservoir, 37,100 ft. 8- to 12-in. c.i. pipe, dam across Little River, etc. $128,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Norman—See "Contracts Awarded."

B. C., Vancouver—Sept. 22, by City Council, 9,000 lin.ft. c.i. pipe, and valves, $150,000; also boring 800 ft. tunnel to top Borwell Lake, about 90 ft. below surface, $50,000. C. Brackenridge, City Hall, engr.

BIDS RECEIVED

Mass., Boston—Supply Dept., 500 concrete post hydrant boxes, from Hugh Nawn Inc., 82 Savin St., Roxbury, $7.90 per box.

N. Y., Long Island City — N. J. Hayes, Comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Sept. 1, mains, etc. in Idewild Ave. and Garfield St., 4th Ward, here, from Gregory Contg. Co., Inc. 351 East 124th St., New York City, $36,953. Noted Aug. 27.

Wis., Milwaukee—Dept. Pub. Wks., Aug. 27, mains in various streets, from H. O. Schaefer & Sons, 1149 East Mason St., Green Bay, $20,227; mains in another section from Wenzel & Hanoch Co., 498 27th St., $3,227. Pipe furnished by city.

Minn., Fairmont—H. J. Waite, secy. Water & Light Comn., filtration plant, from Gjellefald & Chapman Constr. Co., Forest City, Ia., $49,552. Noted Aug. 6.

Tex., Greenville—City, M. C. Hale, secy., earth work sprinkling method for waterworks improvements, from Trinity Farm Constr. Co., Waxahachie, $94,390.

Calif., Beverly Hills—Waterworks in Wilshire Blvd., La Cienega and Prenis Rds., from G. Mitchell Co., 619 West Belgrade Ave., $58,100. Engrs. est. approximately $55,000.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Alabama, Atlantic, Hegeman, Jerome, Nostrand, Porter, 7th and 8th Aves., Ingraham and Sackman Sts., here, to Norton & Rigney, 137th St., Jamaica, $13,000. Noted Sept. 3.

O., Cleveland—Sheet steel piling for Division Ave. filtration plant, to Amer. Constr. Co., 1276 West 3rd St., $145,905. Noted March 5.

Mich., Detroit—Water Bd., 105,600 lin.ft. 8 in. centrifugal pipe, f.o.b. Detroit, to U. S. Cast Iron Pipe & Fdry. Co., Pearl St., Burlington, N. J., at $1.02 per lin.ft., total $107,712. Noted July 30.

Kan., Lakin—Waterworks improvements, to C. L. Burt, Hutchinson, $26,838; deep well, to Well Works Mfg. Co., Garden City. Noted April 16.

Mont., Sidney—For 5,375 ft. 6 in. mains and constructing sewers in Dists. 11 and 12, to McLaughlin & O'Neil, Livingston, $13,930 and $16,052 respectively.

Tex., Houston—O. F. Holcombe, mayor, 175 x 175 ft., rein.-con. reservoir, 4 m.g. capacity, to Johnson Constr. Co., 304 Stewart Bldg., $104,500. Engrs. est. $105,000. Noted Aug. 20.

Tex., Jayton—Water distribution system, to M. L. Friday, Wichita Falls, $38,196; also earth and rein.-con. dam as part of waterworks, to J. C. Jones, Jayton, $23,075. Noted Aug. 20.

Tex., Lometa—Waterworks improvements, to H. Stallings & Co., $4,999; pipes, etc., to Amer. Cast Iron Pipe Co., $14,436. Noted Apr. 2.

Okla., Elk City—See "Sewers."

Okla., Norman—City will lay 34,250 ft. 4- to 12-in. c.i. mains, etc. in various streets, by day labor. Former contract rescinded. Noted June 11. J. Hair, city clk.

Sewers

PROPOSED WORK

O., Canton—Plans sanitary sewer in Clarendon Heights. $125,000. W. E. Sarver, Canton, engr.

O., Cleveland—Election Nov. 3, $1,000,000 bonds, sewers in various streets. R. Hoffman, City Hall, engr.

O., Lakewood (Cleveland P. O.)—Election Nov. 3, $35,000 bonds, sewers in various streets. E. A. Fisher, City Hall, engr.

O., Kenmore—Plans new storm water and sanitary sewers in all sections of city. $480,000. D. P. Dowling, city engr.

Ind., Evansville—Plans 3,350 ft. 6 x 102 in., 3,950 ft. x 96 in., 2,700 ft. x 90 in., 2,900 ft. x 72 in., 650 ft. x 48 in., 1,100 ft. x 57 in., 650 ft. x 48 in. main sewer. Address City Engineer.

Ill., Chicago — Bd. Local Impvts. takes bids in spring, 1,400 ft. 7.5 x 9 ft. rein.-con. and 6 mi. 2.5 to 8 ft. brick sewers, etc. in Cicero Ave. from Canal to 59th Sts., $740,000; 2 mi. 4.5 x 5.5 ft. brick sewers in Peterson Ave. from Kedzie to Kostner Aves., $185,000. H. E. Hudson, City Hall, engr.

Ill., Chicago — Bd. Local Impvts. takes bids in September or October, 3.5 mi. 1 to 3 ft. tile sewers in Clyde Ave. from 86 to 90th Sts., $99 000; and 3.5 mi. 1- to 3.5 ft. tile sewer in California Ave. from Kenilworth Ave. to Howard St. $101,000. H. E. Hudson, City Hall, engr.

Mo., Excelsior Springs — Making preliminary plans complete sanitary sewerage system in Siloam Park Dist. $100,000.

Tex., Brady—Voted $100,000 bonds, complete sewerage system. Address Mayor. Noted Aug. 20.

Tex., El Campo—Election Sept. 12, $60,000 bonds, sanitary sewerage system. W. L. Bellew, mayor.

Okla., Garber—Making plans extending 3 mi. sanitary sewers in various streets. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Los Angeles—Plans 8 in. vitr. clay sewer in 4 blocks Virgil St. between Geneva and 4th Sts. To exceed $25,000. H. A. Van Norman, City Hall, engr.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about Sept. 28, 6 in. vitr. clay sewers in Grace Ave.; 8 in. concrete sewers in Acacia St., Mariposa, and Menlo Aves. H. A. Van Norman, city engr.

BIDS DESIRED

Mass., Boston—Sept. 15, by Dept. Pub. Wks., Boston, sewerage works in various streets in Dorchester; Sept. 17 and 18, in West Roxbury; Sept. 21 in Hyde Park; and Sept. 23, in Brighton. $50,000. J. A. Rourke, comr.

Miss., Natchez—See "Streets and Roads."

O., Cincinnati—Sept. 16, by Director Pub. Serv., 1,675 ft. 51- to 78-in. brick or concrete sewer in Observatory Ave. $59,100. F. Krug, City Hall, engr. Noted July 2.

O., Cleveland—Sept. 16, by Comrs. Cuyahoga Co., 1,500 ft. 8- to 15-in. vitr. clay sewers and 2,100 ft. 8 in. c.i. watermains in Impt. 97 and 353. F. Williams, Court House, engr.

Mich., Detroit—Sept. 14, by Dept. Pub. Wks., for brick and concrete sewers incl. 3,681 ft. State Fair Ave. Arm, Sect. 1 West, Connors Creek Sewer; 2,915 ft. State Fair Ave. Arm, Sect. 1 West; Connors Creek Sewer; 3,439 ft. Fenkell Ave. Arm East, Mill Road Sewer in Grand Ave. and 2,772 ft. above in Fenkell Ave.; 3,716 ft. Gratiot Ave. Arm, Seven Mile Road Sewer; 2,606 ft. Van Dyke Ave. Arm North, Seven Mile Road Sewer; and 1,768 ft. 36 in. c.i. force-main in Lonyo Rd. pumping station. P. A. Fellows, city engr.

Ill., Chicago — Sept. 14, by Bd. Local Impvts., miscellaneous sewers in various streets. $80,000. H. E. Hudson, Room 207, City Hall, engr.

Ill., Steger—Sept. 14, (extended date), by C. Stein, secy. Bd. Local Impvts., sanitary sewerage system and purification plant. J. Hoitomt, pres.; adv. E. N.-R. Sept. 10. Noted Aug. 20.

Wis., Beloit—Sept. 16, by G. E. Heebink, city engr., 10,965 ft. 8- to 18-in. vitr. clay or concrete sanitary sewers in various streets, Contr. 3; and 2,800 ft. 36- and 48-in. vitr. clay or concrete storm sewers in various streets, Contr. 4. To exceed $25,000.

Mo., St. Joseph—Sept. 14, by Bd. Pub. Wks., 1,270 ft. 5, 7 and 9 ft. circular rein.-con. sewer pipe for Hyde Park Sewer Project. $30,000. W. K. Seitz, city engr. Noted Aug. 20.

Tex., San Antonio—Sept. 15, by I. Ewig, city engr., 30 in. concrete storm sewer in North Olive St. and 24 in. vitr. pipe line in Mason St., etc., for city. $25,000.

Tex., Schulenburg — Taking bids sanitary sewerage system and disposal plant. $45,000. Appliance Co., Inc., 308 Hughes St., Houston, engrs. Noted Aug. 20.

Okla., Holdenville—Sept. 15, by J. Kirk, city cl'k, 2 outfall sewers, 7,400 ft. 12 and 15 in. vitr. clay pipe, and 2 new sewage disposal plants, incl. Imhoff tanks, sprinkling filters, etc. $93,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted April 16.

Calif., Los Angeles — Sept. 21, by City Council, 137,750 ft. 8- to 18-in. vitr. clay or concrete sewers in various streets. $200,000. P. E. Kressley, 722 H. W. Hellman Bldg., engr.

Calif., San Francisco — Sept. 16, by Bd. Pub. Wks., two 6-in. vertical, centrifugal pumps and motors for sewage pumping plant, Great Highway and Vincente St.

BIDS RECEIVED

Mass., Boston—Dept. Pub. Wks., sewerage works in Summer Brook, Hyde Park, from J. J. Conway, 19 Beethoven St., Roxbury, $22,706. Engrs. est. $25,000.

N. Y., New York — See "Streets and Roads."

Md., Baltimore — Bd. Awards, Sept. 2, storm drains and sanitary sewers listed in Sewer Contr. J-8 and 38, and in Storm Water Contr. 88, from Adams & Marino Co., 216 St. Paul St., $12,987. Noted Aug. 27.

Md., Catonsville (br. of Baltimore) — Comrs. Baltimore Co. Courthouse, Towson, sewers and appurtenances listed in Proposal 5-S, 32,520 lin.ft. 6 in. terra cotta pipe, 19,010 lin.ft. 6 in. house connections, from Carrozza-Rowe Co., 624 North Gilmor St., Baltimore, $144,983. Noted Aug. 20.

O., Cleveland—Sewers in East Blvd. from D. M. Zullo, 706 The Arcade, $29,249; Big Creek Intercepting Sewer, 3,758 ft. 5 ft. brick pipe, from Donnelly-Miller Co., 1251 East 84th St., $107,160. Noted Aug. 29.

Mich., Detroit — Comr. Pub. Wks., Aug. 31, 2,399 lin.ft. Connors Creek Sewerage System, Outlet Sect., from G. R. Cooke Co., 1260 Penobscot Bldg., $814,969. Noted Aug. 20.

Wis., Milwaukee—J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., rein.-con. and brick testing and control station, also track hopper and acidification control house, from Tallmadge Constr. Co., 214 Mason St., $28,600 and $10,800 respectively.

Tex., Dallas — White rock intercepting sewers, etc. in various streets. from Dellone Constr. Co., 404 Magnolia Bldg., Dallas, $117,561. Engrs. est. $125,000.

Tex., Houston—Sanitary sewers in Smith St. from Washington Ave. to Capitol Ave., and Capitol Ave. from Smith to Louisiana Sts., from C. K. Horton, 2202 Clay St., $27 345.

Calif., Los Angeles—Constructing 52,074 ft. 8 in. concrete and vitr. clay sewer in M St. from L. Vuksich, 1623 Pennsylvania St., $25,400; 3,753 ft. 21 in. concrete or rein.-con. outfall sewer in La Clenaga and San Vicente Blvds., from C. E. Green, 418 Western Mutual Bldg., $8,930; sewer in 63rd St., from J. Artukovich, 614 North Bunker Hill Ave $30,300.

CONTRACTS AWARDED

Conn., Hamden (br. of New Haven)—For 11,000 ft. 8 in. tile sewer in Highwood St., to J. E. Driscoll, 499 Prospect St., Torrington, $22,999. Engrs. est. $25,000. Noted Aug. 13.

N. Y., Brooklyn — J. A. Guider, Boro pres., Boro Hall, sewers in 60th St., to C. F. Vacharas, 645 40th St., $1,368,712; in Rockaway Parkway, to Tomassetti & Co., Inc 1133 60th St., 0.6845% of engrs. est. ($25,446); in Elmore Pl. and East 87th St., to R. Iovino, 0.725% of engrs. est. ($4,193) and 0.7404% of engrs. est. ($1,572) respectively. Noted Sept. 3.

O., Cincinnati—For 2,420 ft. 12- to 22-in. vitr. clay, and 930 ft. 33 and 51 in. brick sewer in Lower River Rd., to J. B. McLane & Co., 337 York St., Newport, Ky. $34,141. Engrs. est. $36,450. Noted July 23

O., Cleveland—To Hadded-Kariel Constr. Co., 415 Eagle Ave., 1,150 ft. 12 in. vitr. sewer in Kinkelaar Ave. $2,671, 1,565 ft. in Mohican Ave. $3,711, 2,405 ft. in West 145th St. $5,164, and 1,375 ft. in West 146th St., $3,422; to Langahan Constr. Co., Marshall Bldg., 645 ft. 15 in. vitr. sewer in Albers Ave., $3,293; to Yahya Bros., 3196 West 25th St., sewers in West 168th St., $2,877; to W. B. Smith, 706 The Arcade, $1230 ft. 12 in. vitr. tile sewer in Leila Ave. $3,941, also 2,500 ft. 12 in. lateral sewer at Cleveland Airport, $4,914; to Donnelly-Miller Co., 1251 East 84th St., 24,000 ft. 4 in. french drain at Cleveland Airport, $8,520. Grand total $38,513. Aug. 20.

Mich., Kingsford (mail Iron Mountain)—C. W. Seiler, village mgr., 11,578 lin.ft. 15- to 42-in. sewer in various streets to Phelps-Drake Co., Iron Mountain, $104,000; 11,461 lin.ft. 10- to 48-in. sewer in various streets, to Delta Contg. Co., Escanaba, Mich., $136,000. Noted Aug. 27.

Ill., Chicago—North Side Sewage Treatment Wks., 910 South Michigan Ave., operating galleries, to Tully & Costello, 30 North La Salle St., $316,090.

Wis., Cudahy—C. H. Wolbert, city clk., 960 ft. 60 in. concrete sewer outlet in Allerton Ave., to E. M. Gillet, 673 25th St., Milwaukee, $26,304. Noted Aug. 27.

Kan., Lakin—Sewers in various streets, to C. L. Burt, Hutchinson, $30,381. Noted Aug. 13.

Mont., Sidney—See "Waterworks."

Ark., McGehee — City, sewerage system and disposal plant in Sewer Impvt. Dist. 1, to G. E. Wycoff, Hall Bldg., Little Rock. Engrs. est. $135,000. Noted Feb. 19.

Tex., Harlingen — For 4 mi. sanitary sewers and 7,307 ft. storm sewers in various streets, to Kirkwood, Wharton & Lee, Main Ave., San Antonio, $31,140. Noted Aug. 27.

Okla., Elk City — City, waterworks and sewer improvements, incl. earth dam, concrete spillway, intake, filtration and pumping plant, elevated tank, sewage disposal plant, etc., to Standard Paving Co., 1742 East 6th St., Tulsa, $290,088. Noted Aug. 20.

Wash., Seattle — Bd. Pub. Wks., sewers in 61st Ave. S. et al., to Scalzo & Co., 1708 22nd St., $100,322. Engrs. est. $109,000. Noted Sept. 3.

Waste Disposal

CONTRACTS AWARDED

Miss., Clarksdale — Garbage incinerator, 10-15 tons per 12-hr. day, to Odorless Crematory Co., Macon, Ga., approximately $16,000. Noted July 23.

Bridges

PROPOSED WORK

Ala., Mobile—Making plans 4 span 4,000 ft. steel bridge. $2,000,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

Miss., Pascagoula—Jackson Co. takes bids about January or February, rein.-con. and steel bridges over Pascagoula River, here, over Dog Creek at Moss Point, and over Escatawpa River, on Old Spanish Trail. $325,000. F. Taylor, co. clk. Noted July 9.

La., Boyce—Rapides Parish (Alexandria) election Sept. 22, $160,000 bonds, for concrete and steel bridge over Red River, here, and $25,000 bonds for retiring existing road bonds.

O., Cincinnati—See "Streets and Roads."

O., Kenmore—Plans viaduct over railroad tracks at Stop 96, on Akron-Barberton Interurban line. $50,000. D. P. Dowling, city engr.

O., Youngstown—Soon takes bids Emma St. bridge. $450,000. H. C. Turner, Youngstown, engr.

Kan., Clay Center — Clay Co. making preliminary plans two 35 ft. and one 45 ft. deck girder span, 110 ft. steel span, and 90 ft. steel span bridges, also grading 4.035 mi. on Federal Aid Project 277. H. L. Stevens, Clay Center, co. engr. Eidmann & Marshall, Smith Bldg. No. 6, Topeka, consult. engrs.

Missouri — State Hy. Comn., Jefferson City, plans two 8 ft. rein.-con. slab spans, etc. at Sta. 926 plus 00, also two 10 ft. rein.-con. slab spans on Sta. 1080 plus 10, both over stream and two 10 ft. rein.-con. slabs, etc. on Sta. 1338 plus 85, all on St. Louis-Springfield Rd., Franklin Co. B. H. Piepmeier, Jefferson City, ch. engr.

Tex., San Antonio — Making preliminary plans 1 span, rein.-con. bridge at Grant Ave., $35,000, 1 span rein.-con. bridge at 4th St., $35,000, and rein.-con. bridge with concrete balustrades at Market St., $30,000, all over San Antonio River. I. Ewig, city engr.

Okla., Yonkers—State Hy. Dept., Oklahoma City, making preliminary plans 3

Bridges (Continued)

span, 240 ft. steel truss bridge on concrete piers, Wagoner Co., here. $50,000. J. M. Page, highway engr.

BIDS DESIRED

Connecticut—Sept. 14, by State Hy. Dept., Hartford, 24 ft. span concrete bridge over Oyster River, on Ocean Ave., in Milford; 24 span concrete girder bridge over Cove Creek, on Ocean Ave. in West Haven. $50,000. A. W. Bushell, 106 Elm St., New Haven, div. engr.

Pa., Croydon (Bridgewater P. O.)—Sept. 28, by Comrs. Bucks Co., at Doylestown, rein.-con. bridge over Neshaminy Creek, between Bristol and Bensalem Twps., here. J. S. Roberts, Jr., Bristol, co. engr.; adv. E. N.-R. Sept. 10.

W. Va., Charleston—Oct. 8, by H. C. Walker, city mgr., 3 span 390 ft. steel and concrete bridge across Elk River, here. $145,000. L. L. Jemison, Charleston, engr.

South Carolina—See "Streets and Roads."

Kan., Ford—Sept. 29, by Clerk Ford Co., Dodge City, 7 span 92.5 ft. steel bridge, 3,160 ft. wooden piling, etc., 1 mi. from here. Dodd & Finney, 216 West 6th St., Topeka, engrs.

Kan., Hutchinson—Sept. 15, by Clerk Reno Co., 10 span 45 ft. deck girder bridge with 20 to 24 ft. roadway, 9,590 ft. wooden piling, etc. 3 mi. from here. W. A. Stacey, Hutchinson, co. engr.

Oklahoma—See "Streets and Roads."

Okla., Clinton—Sept. 15, by State Hy. Dept., Oklahoma City, 4 span 320 ft. steel truss bridge on concrete piers, 6,900 ft. wooden piling, 16.1 ton. reinforcing, etc., Custer Co., here. J. M. Page, highway engr. Noted March 12.

BIDS RECEIVED

Vermont—Dept. Highways, State House, Montpelier, two rein.-con. bridges and approaches on highway in Johnson, from Atwood-Thomas Constr. Co., St. Albans, $18,-345; rein.-con. bridge and approaches in Walcott, from Rowe Constr. Co., Woodsville, N. H. $8,512, in Royalton, from H. F. Knight, South Royalton, Mass. $12,221; and in Northfield, from J. E. Cashman, Burlington, $29,910.

N. J., Elizabeth—Union Co., 6 bridges at Roselle Park, Springfield and Summit, from M. De Fabio & Bro., Elizabeth, $26,665.

Missouri—State Hy. Dept., Jefferson City, Aug. 28, from Cook & Waddell, Ottawa, Kan., eight 20 ft. rein.-con. slab spans, etc. over overflow of Chariton River $11,261, from R. M. Davies & Sons, Slater, three 20 ft. rein.-con. slab spans, etc. over Puzzle Creek $4,894; from Western Bridge Co., Harrisonville, one 125 ft. steel truss span, etc. over Chariton River $15,002, from C. P. O'Reilly & Co., 3022a North Newstead St., St. Louis, one 120 ft. steel truss span, etc., over Chariton River D. D., $30,954, all foregoing in Chariton Co., two 8 ft., rein.-con. slab spans, etc. over stream $2,051, four 10 ft. rein.-con. slab spans, etc. over stream $4,511 both in Franklin Co.; from Federal Bridge Co., 1002 B. T. Bldg., Des Moines, Ia., one 146 ft. steel truss span, etc. over Bourbouse River, Franklin Co., $37,004; from W. P. McGeorge & Co., 1719 Cherry St., Pine Bluff, Ark., three 20 ft. rein.-con. slab spans, etc. over overflow of Louter River $5,209, and one 100 ft. steel truss span, etc. over Louter River $22,397, from W. D. Lonegram Constr. Co., New Madrid, five 20 ft. rein.-con. slab spans, etc., over Louter River, $6,492, all foregoing in Montgomery Co.; three 16 ft. rein.-con. slab spans, etc. over stream $2,-571; from Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia., one 45 ft., one 40 ft. and one 25 ft. rein.-con. deck girder spans, etc. over Muddy Creek, Buchanan Co., $7,679; from Des Moines Steel Co., 421 Southwest 4th St., Des Moines, Ia., two 10 ft. rein.-con. slab spans, etc. over stream $31,451, from Davis Constr. Co., Boonville, two 10 ft. rein.-con. slab spans, etc. over stream $3,-253; from Stevens Bros., St. Paul, Minn., two 10 ft. rein.-con. slab spans, etc. over stream $3,756, all foregoing in Calloway Co., and one 40 ft. rein.-con. deck girder span, etc., over Little Cedar Creek, $7,622; from Pickus Eng. & Constr. Co., St. Louis, two 12 ft., three 16 ft. and two 18 ft. rein.-con. slab spans, etc. over stream $9,757, three 24 ft. rein.-con. slab spans, etc. over Horning Branch $5,083, and same over Grindstone Creek, $4,701, and one 145 ft. rein.-con. deck girder span, etc. over Hinkson Creek, $9,949, all in Boone Co.; from Mantz & Oren, Effingham, Ill., four 20 ft. rein.-con. slab spans, etc. over overflow of Blue Creek $5,361, one 60 ft. steel truss and three 20 ft. rein.-con. slab spans, etc. over Bear Creek $9,742, one 80 ft. steel truss span, etc. over Clear Fork Creek $11,-719, and one 30 ft. rein.-con. slab span, etc. over stream, $4,411, all in Johnson Co.; from O. H. Schmidt, St. Joseph, five 20 ft. rein.-con. slab spans, etc. over overflow of Third Creek, Buchanan Co. $10,032, and one 30 ft. rein.-con. deck girder span, etc. over Atchison, Topeka & Santa Fe R.R. tracks, Clinton Co., $7,704; from Birmingham & Jones, St. Joseph, three 14 ft. and three 20 ft. rein.-con. slab spans, etc. over stream, Franklin Co., $7,059; from E. J. Wells, Oklahoma City, Okla., three 16 ft. rein.-con. slab spans, etc. over stream, $4,767; from Cameron Joyce & Co., Keokuk, Ia., one 80 ft. steel truss span, etc. over Little Blue River, Jackson Co., $23,536; from Zeigler Bros., Junction City, Kan., one 25 and four 20 ft. rein.-con. slab spans, etc. over Atchison, Topeka & Santa Fe R.R. tracks, Ray Co., $8,013; from Cloque & Strohl, Bowling Green, O., three 45 ft. I-beam spans, etc. over Big Lake D. D., Mississippi Co., $5,-601, and from M. E. Gillioz, Monett, one 45 ft. and two 35 ft. rein.-con. deck girder spans, etc. under Blue River Blvd., Jackson Co., $12,924. Noted Aug. 20.

Texas—See "Streets and Roads."

Tex., Anson—See "Streets and Roads."

Calif., Los Angeles—Bd. Pub. Wks., Aug. 26, rein.-con. Bridge over Anaheim Blvd., from North Pacific Constr. Co., 723 Detwiler Bldg. $320,441. Engrs. est. $400,000. Noted Aug. 7.

CONTRACTS AWARDED

Massachusetts—See "Streets and Roads."

Mass., Dorchester (Boston P. O.)—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, 88 ft. concrete and steel highway bridge, 54 ft., on Mt. Vernon St., here, to Coleman Bros., 245 State St., Boston, $117,925. Noted Sept. 3.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, **(F.A.P. means Federal Aid Project, and S.A.P. means State Aid Project)**, to W. C. Baird & Co., Nichol Bldg., Nashville, fifty-one 26 ft. and one 100 ft. steel span bridge and approaches over south fork of Forked Deer River, F.A.P. 39, Dyer and Lauderdale Counties $127,646, 3 bridges over 20 ft. span, F.A.P. 51-C, Madison Co. $31,063, six 24 ft. and one 40 ft. span concrete overhead bridge over Louisville & Nashville R.R. tracks near Ridley, F.A. P. 34-C, Maury Co. $32,450, 4 bridges over 20 ft. span and 1 overhead structure, F.A.P. 34-B, Maury Co. $55,170; to Novaculite Constr. Co., Marion, Ill., bridge over 20 ft. span, S.A.P. 303, Dyer Co., $31,254; to Mautz & Oren, Effingham, 2 bridges over 20 ft. span, F.A.P. 302, Dyer Co., $36,033; to Byrd Bros., Binghamton, concrete underpass under Tennessee Central R.R. tracks, F.A.P. 31-B, Montgomery Co., $4,985. Grand total $318,601.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., approaches for bascule bridge over Main Drainage Channel at California Ave., to L. B. Fugitt, Room 1230, 608 South Dearborn St., $100,-654. Noted July 31.

Wisconsin—State Hy. Dept., Madison, to Minneapolis Bridge Co., 924 Metropolitan Life Bldg., Minneapolis, Minn., constructing Radke Bridge, on Federal Aid Project 416-A, Crawford Co., 456 cu.yd. Class "A" concrete at $26 per cu.yd., 800 bbls. cement handling $0.25, 9,000 lin.ft. each piling delivered and driving at $0.50, 272,110 lb. structural steel, etc. $0.06, total $39,143.

Wis., Racine—H. A. Nelson, comr. Pub. Wks. Dept. 180 to 190 ft. steel bridge, 48 ft., at Mead St., to E. E. Gillen Co., 288 East Water St., Milwaukee, $55,000. Noted Sept. 3.

Ia., Tama—Toledo Co., 1 I-beam extension, 3 I-beam bridges, headwalls for 9 pipe culverts and 1 abutment with 60 ft. pony truss bridge, to Perry Constr. Co., Perry, $19,928; 12 concrete box culverts, and extensions, to F. Wolfe, Toledo, $6,171.

Tex., Anson—See "Streets and Roads."

Tex., Boston—See "Streets and Roads."

Dams

BIDS DESIRED

Ill., Staunton—See "Waterworks."

CONTRACTS AWARDED

Tex., Jayton—See "Waterworks."

Tex., Mingus—Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr., 1003 T. & P. Bldg., earth dam with rein.-con. spillway across Gibson Creek, 316 m.g. capacity, to B. F. Brooks Constr. Co., 327 Slaughter Bldg., Dallas, about $40,000.

Railways

PROPOSED WORK

Florida—City of St. Petersburg election Sept. 8, $92,000 bonds extending street car tracks, and $193,000 bonds for car barns in St. Petersburg. S. S. Martin, dir. Finance.

Alabama—St. Louis—San Francisco Ry Frisco Bldg., St. Louis, Mo., making preliminary plans 135-150 mi. line to connect Muscle Shoals, Birmingham & Pensacola R.R. at Kimbrough, with Memphis-Birmingham division of St. Louis-San Francisco Ry., here. F. G. Jonah, St. Louis, ch. engr.

California—City of Eureka plans election $100,000 bonds, for street railway improvements.

CONTRACTS AWARDED

Massachusetts—Transit Dept., 1 Beacon St., Boston, constructing Sect. 1. Dorchester Rapid Transit Road bed, etc., to M. F. Gaddis, 2 A Victoria St., Dorchester, $530,-380. Noted Sept. 3.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Tenn., Clarksville—Plans rebuilding 20 acre lake, constructing swimming pool, etc. $30,000. W. L. Haynes, Clarksville, engr.

Texas—Potter Co. (Amarillo) and Oldham Co. (Vega) making surveys determining how many thousand acres may be made subject to irrigation, and plans also to establish canal levees to connect with reservoir established along Canadian River. $2,000,000. A. E. McGregor, Amarillo, engr.

Calif., Carmichael — Carmichael Irrigation, plans election in October. $30,000 bonds, pumping station and distribution system.

BIDS RECEIVED

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., Sept. 3, improving Calumet and Little Calumet Rivers from The Forks to Calumet Sag Channel, 1,000,-000 cu.yd. excav., etc., from Great Lakes Dredge & Dock Co., 104 South Michigan Ave., at $1.08 per cu.yd. Noted July 9.

CONTRACTS AWARDED

Ore., Scappoose—Barr & Cunningham, engrs., Spalding Bldg., Portland, draining 6,000 acres, incl. 105 acres clearing, 106,-000 cu.yd. ditch and 740 cu.yd. concrete, here, to Parker, Schram Co., Couch Bldg., Portland, for Scappoose D. D. $188,339.

Streets and Roads

PROPOSED WORK

Mass., Boston—Plans widening and reconstructing Faneuil Hall Sq., $25,000; and asphalt or bitulithic paving Cooper, Margaret and Sheafe Sts., to exceed $25,000. J. F. Sullivan, secy. Street Laying-out Dept.

Mass., Charlestown (Boston P. O.)—City Planning Bd., Boston, plans reconstructing and enlarging Sullivan Sq. (junction of Rutherford Ave., Main, Alford and Cambridge Sts.), here. $30,000-$36,000. F. H. Fay, chn.

R. I., East Providence (Providence P. O.)—Town Council plans reconstructing Park Dr. and Fenmore St. $25,000. W. E. Smyth, clk.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, rejected bids Aug. 12, asphalt paving, grading, curbing and flagging, etc. East 31st St. Noted Aug. 20.

Pa., Bristol—Making plans concrete reconstructing Otter, Mill and Radcliffe Sts. $107,000. State and Bucks Co. appropriate toward cost. J. S. Roberts, Jr., Bristol, engr.

Pa., Overbrook (Phila., P. O.)—Boro. c/o P. J. Ettinger, secy. making plans grading, curbing and concrete paving, etc. Westport Ave. $25,000. T. J. McGovern, St. Clair Bldg., Knoxville, engr.

West Virginia—State Hy. Comn., Charleston, rejected bids Aug. 24, paving 1.5 mi. Country Club-Poco Rd., Project 3246, Putnam Co. H. J. Spelman, R. & P. Bldg., Huntington, engr. Noted Aug. 6.

N. C., Belhaven—Plans paving 2 mi. various streets to connect with roads leading to Leechville and Pantego. $60,000.

N. C., Kenansville—Duplin Co. plans to sell $520,000 bonds Sept. 21, constructing various roads.

Streets and Roads (Continued)

Miss., McComb — Making preliminary plans grading and gravel surfacing 15 mi. Walker Bridge Rd., 18 ft.

Miss., Natchez—Soon takes bids brick, asphalt or concrete surfacing, sanitary and storm sewers, etc., 10 mi. various streets. $500,000. M. L. Culley, Jackson, consult. engr. Noted June 18.

Miss., Ocean Springs — Election Oct. 3, $75,000 bonds, for waterworks.

Louisiana—State Hy. Comn., Baton Rouge, making plans rebuilding model road from Greenwood to Arkansas state line. Federal Aid to appropriate $100,000 toward cost. W. B. Roberts, highway engr.

La., Lake Providence — East Carroll Parish voted $300,000 bonds, grading and hardsurfacing various roads.

O., Canton—Plans asphalt paving Harrison Ave. N.W. $60,000-$65,000, and 8th St. N.W., $50,000; improving Harriet Ave. N. W., $40,000. W. E. Sarver, Canton, engr.

O., Canton—Stark Co., plans improving 0.5 mi. Raff Rd., 16 ft. $25,000. A. M. Wise, Court House, engr.

O., Cincinnati—Plans improving Central Ave., 2,300 sq.yd. granite block, 500 cu.yd. concrete, 900 lin.ft. granite curbing, and 500 lin.ft. cement sidewalks. $33,558. F. Krug, City Hall, engr.

O., Cincinnati—Hamilton Co. plans grading, bridging and concrete paving, etc. 67,469 sq.yd. Ohio River Rd. $375,000. E. A. Gast, Court House, engr.

O., Cleveland—Election Nov. 3, $2,000,000 bonds, paving various streets. R. Hoffman, City Hall, engr.

O., Cuyahoga Falls—Plans widening and resurfacing Front St., 40 ft. $60,000.

O., Lakewood (Cleveland P. O.)—Election Nov. 3, $158,000 bonds, paving various streets. E. A. Fisher, City Hall, engr.

O., Youngstown — Plans widening West Federal St. from Holmes to Belmont Sts., $150,000; Market St. from Wayne Ave. to Southern Blvd., $2,100,000; Himrod Ave. from Forest to Stafford Sts., $290,000; and Watt St. from Front St. to Erie R.R. tracks, $1,000,000. H. C. Turner, Youngstown, engr.

Ind., Anderson — Madison Co. plans concrete paving 12,320 sq.yd. Doyle Rd., $26,200; grading and graveling 1.9 mi. County Rd., $27,000, both 30 ft. A. H. Doyle, Anderson, engr.

Ind., Evansville—Vanderburgh Co. plans concrete paving 26,400 sq.yd. Wolf Rd., 18 ft. $70,000. R. Meissinger, Evansville, engr.

Ind., Evansville—Vanderburgh Co., plans concrete paving 14,784 sq.yd. Maxwell Ave., 18 ft. $36,571. R. Meisinger, Evansville, engr.

Ind., Danville—Hendricks Co., plans grading and graveling 2.2 mi. Wilson Rd., 26 ft. $25,400. G. R. Harvey, Danville, engr.

Mich., Detroit—Plans 3½ in. sheet asphalt on 8 in. concrete paving 3,290 sq.yd. Harper St., 60 ft., $14,450; 17,300 sq.yd. Six Mile Rd., 54 ft., $76,180; 22,000 sq.yd. Meyers Rd. $96,800, 12,400 sq.yd. Monnier Rd. $59,200, 8,150 sq.yd. Ferndale St. $35,800, all 46 ft.; 4,070 sq.yd. 14th St. $17,860, 1,890 sq.yd. Furlburt St. $9,480, 1,630 sq.yd. Lawton St. $8,160, 2,580 sq.yd. Hazelridge St. $11,340 3,820 sq.yd. Byron St. $16,880, 23,995 sq.yd. Washburn St. $17,600, 2,860 sq.yd. Monte Vista St. $12,600, 2,460 sq.yd. Washburn St. $10,830, 8,375 sq.yd. Mark Twain St. $36,830, 7,800 sq.yd. Strathmoor St. $34,310, all 30 ft.; 2,830 sq.yd. Medina St. $12,450, 10,100 sq.yd. Sylvester St. $44,320, 570 sq.yd. Trowbridge St. $2,860, 22,000 sq.yd. Meyers Rd. $96,800, 3,215 sq.yd. Gaely St. $14,380, 7,940 sq.yd. Prairie St. $34,900, 13,350 sq.yd. Fortune St. $58,950, 5,250 sq.yd. Cecil St. $23,100, 2,415 sq.yd. Doyle St. $10,620, 4,400 sq.yd. Collingwood St. $19,350, 4,420 sq.yd. Duane St. $19,440, 8,200 sq.yd. Freeland St. $36,120 and 8,680 sq.ft. Ardmore St. $38,220, all 28 ft. P. A. Fellows, City Hall, engr.

Ill., Fairbury—Making preliminary plans grading, curbing and hardsurfacing various streets. $35,000. Taylor & Woltman, Unity Bldg., Bloomington, engrs.

Ill., Rockford — Plans grading, curbing and concrete or Warrenite surfacing 9 blocks 7th St., 49 ft. $69,500. B. C. Harvey, City Hall, engr.

Wis., New London—C. J. Thompson, city clk., plans concrete paving 8,935 sq.yd. Mill St. $25,000-$30,000.

Ia., Essex — Making preliminary plans grading, curbing and hardsurfacing 11 blocks various streets.

Minn., Fergus Falls—H. J. Collins, city clk., plans paving approximately 10 blocks various streets. $50,000.

Kan., Alma—Wabaunsee Co. takes bids in October, grading, etc. 15.5 mi. Dover Rd., 28 ft. F. Itz, Court House, engr. Noted Aug. 27.

Kan., Atchison—Atchison Co. making preliminary plans grading, etc. 11 mi. road from Muscotah east to Parallel White Way and from here north to county line. R. Coleman, Atchison Co. engr. Kansas Eng. Co., 1233 Western St., Topeka, consult. engrs.

Kan., Clay Center—See Bridges.

Kan., Dodge City — Making preliminary plans grading, curbing, and concrete paving 14 blocks various streets.

Kan., Dodge City—Ford Co. making preliminary plans grading, bridging, etc. 20 mi. Federal Aid Rd., 28 ft. Kansas Eng. Co., 1233 Western St., Topeka, engrs. J. W. Thornburgh, Dodge City, co. engr.

Kan., Olathe—Johnson Co. making preliminary plans grading and brick or concrete surfacing 6.577 mi. Ft. Scott Short Line Rd., Federal Aid Project 246-C, and 5.157 mi. Midland Trail, Federal Aid Project 315-A, both 18 ft. E. J. Terrill, Court House, engr.

Kan., Salina — Salina Co. making preliminary plans grading and sand clay surfacing 12.137 mi. Sects. A and B County Project 4, 18 ft. W. H. Cost, Court House, Salina, engrs.

Neb., Fort Calhoun — W. W. McMillan, city clk., making preliminary plans grading, curbing, concrete, brick, asphalt or asphaltic concrete paving, etc. 15,000 sq.yd. various streets. Nixon & Reynolds, 305 Grain Exch. Bldg., Omaha, engrs.

Missouri—State Hy. Comn., Jefferson City, making plans 18 ft. grading 8.7 mi. Butler-Appleton City Rd., Federal Aid Project 260-A, Bates Co.; also 9 and 18 ft. concrete paving 4 mi. Charleston-Scott Co. line Rd., Mississippi Co. B. H. Piepmeier, Jefferson City, ch. engr.

Mo., Maryville—Soon takes bids grading, curbing and rein.-con. paving 6 blocks North and Walnut Sts. $25,000. E. T. Archer & Co., 609 New Englnad Bldg., Kansas City, engrs.

Mo., St. Louis—Bd. Pub. Serv. plans Warrenite-bitulithic on concrete paving Beck Ave. between Missouri Pacific R.R. tracks and Morganford Rd., $16,800; asphalt on concrete paving Harney Ave. between Thrush St. and Kingshighway, $35,100, and Magnolia Ave. between Kingshighway and Hereford St., $23,500; Warrenite on concrete paving Thekla St. between Emerson and Thrush Sts., $25,650; asphaltic concrete paving Lucille St. between Mimika and city limits $18,700 and Sexauer St. between Carter St. and Kingshighway N. W., $7,100; brick on concrete paving Scott Ave. between Taylor and point 245 ft. west of Euclid Ave., $20,000. W. W. Horner, 300 City Hall, engr.

Mo., Springfield — Making preliminary plans grading, concrete paving, etc. 9,500 sq.yd. West Monroe St. and Main Ave.

Ark., Malvern—Making preliminary plans grading, curbing, and hardsurfacing Main St. $40,000.

Tex., Dallas—Making plans widening Eakin St. from Harwood to Chestnut St. $45,000. E. A. Kingsley, City Hall, engr.

Tex., Eastland—Voted $100,000 bonds, improving business streets. Address Mayor. Noted Aug. 6.

Tex., La Pryor — Zavalla Co., making plans hard paving 13 mi. highway between La Pryor and County line. $160,000. W. F. Hutson, c/o City Hall, San Antonio, div. engr.

Tex., Mexia—Making plans brick, concrete or asphalt paving 30 to 40 various streets, 40 and 60 ft. $150,000 or more. R. D. Morgan, Mexia, engr. Noted Aug. 27.

Tex., Nacagdoches — Making plans brick on iron ore gravel paving section North St. $25,000. L. Acker, Nacagdoches, engr.

Tex., Seguin—Guadalupe Co., making perliminary plans gravel surfacing 16 mi. Seguin-Kingsbury-Luling Rd., 18 ft. $75,000. H. Canfield, Seguin, engr.

Tex., Tulia—Making plans paving 10 blocks various streets. $25,000. B. B. Huckabee, city mgr. Engineer not selected.

Tex., Uvalde — Grading and Uvalde rock asphalt paving 7 blocks various streets, to Neyland & Smith, c/o Buildings Exch. Bldg., San Antonio, $75,000. Engrs. est. approximately $75,000. Noted Aug. 20.

Tex., Wichita Falls—Willite on concrete paving 6 blocks Indian and Oak Mill Sts., to Plains Paving Co., Staley Bldg., approximately $39,000.

Okla., Billings—Making preliminary plans grading and concrete surfacing 7,800 sq.yd. Main St. $25,000. F. F. Daniels, city clk. Engineer not selected.

Okla., Covington—Plans grading, curbing and concrete paving 9,600 sq.yd. 4th and 5th Sts. $31,000. C. A. Wood, Stillwater, engr.

Okla., Fairview—Defeated $39,000 bonds, paving Main St. and Bway. Project abandoned. Noted Aug. 20.

Okla., Garber—Making preliminary plans grading and concrete surfacing 6,500 sq.yd. Ponca, Cherokee and 5th Sts. $25,000. G. L. Matteson, city clk. Engineer not selected.

Okla., Guthrie — Plans grading, curbing and concrete surfacing 21,250 sq.yd. Grant, Perkins, Broad and Vilas Sts., 24 ft. $73,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hobart — City Clerk takes bids about Sept. 25, grading, curbing, and hardsurfacing 59,700 sq.yd. Paving Dist. 3. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 3.

Okla., Okemah — Plans grading, curbing and concrete surfacing 40,000 sq.yd. Columbia, Erie, Frisco and 8th Sts. $126,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt surfacing 5,500 sq.yd. Stonewall Ave. $26,000. B. M. Hart, City Hall, engr.

Okla., Pawhuska — Plans grading and sheet asphalt surfacing 7,450 sq.yd. Country Club streets and drives. $35,000.

Okla., Woodward — Making preliminary plans grading and sheet asphalt surfacing 7,500 sq.yd. Woods and Perkins Aves. $35,000. A. Alexander, city clk. Engineer not selected.

Calif., Alhambra—Takes bids about Oct. 1, 9 m. asphaltic concrete on 7 or 8 in. concrete paving 2½ mi. Mission Rd. and Valley Blvd. To exceed $25,000. O. M. Rugen, Alhambra, engr.

Calif., Los Angeles—Plans election $1,250,000 bonds, street and sewer work.

Calif., San Rafael—Marin Co. election Sept. 26, $1,250,000 bonds, improving 22.8 mi. various roads. J. G. Oglesby, co. surv.

Calif., Santa Cruz—Santa Cruz Co. plans paving East Cliff Dr. connecting with Capitola. $100,000. M. K. Bowman, co. surv.

BIDS DESIRED

Maine — Sept. 16, by State Hy. Comn., Augusta, concrete and bituminous macadam surfacing 1.13 mi. Sect. "A" Kittery and 1.42 mi. Sect. "A" York also 4.97 mi. Sects. "L" Frankfort-Winterport and "L" Winterport Rds.; gravel surfacing 3.68 mi. Sect. "J" Greenville, 5.92 mi. Sect. "J" and "K" Milo-Orneville, 6.33 mi. Sect. "K" Caribou. 4.66 mi. Sect. "K-Spur," Fort Fairfield, 5.78 mi. Sect. "O" Peru, and 4.92 mi. Sect. "Y" Bucksport Rds. P. D. Sargent, ch. engr.

New York—Sept. 25, by A. W. Brant, comr. Highways, 55 Lancaster St., Albany, for constructing and reconstructing highways in various counties; adv. E. N.-R. Sept. 10.

N. Y., Creedmoor (mail Floral Park)—Sept. 18, by State Hospital Comn., Albany, grading, paving, laying walks, etc., at Brooklyn State Hospital, here. L. M. Farrington, secy.; adv. E. N.-R. Sept. 10.

N. J., Burlington — Sept. 15, by City Council, improving East Pearl and West Federal Sts., 4,470 sq.yd. concrete paving, 70 yd. plain concrete, 350 lin.ft. concrete curbing, 180 lin.ft., radius concrete curbing, 2,800 sq.yd. granite block paving in trolley tracks. $45,000. B. A. Sleeper, Burlington, engr.

N. J., Trenton—Sept. 17, by Ewing Twp. Com., A. M. Lanning, clk., Trenton, improving Homecrest Ave. ,950 cu.yd. earth excav., 2,630 sq.yd. macadam paving 2,150 lin.ft. concrete curbing, 115 lin.ft. circular concrete curbing, 100 lin.ft. 4 in. vitr. pipe, in Ewing Twp. E. Storer, 1618 Riverside Dr., Trenton, engr.

Pa., Phila.—Sept. 17, by Dept. Pub. Wks., Bureau of Highways, surfacing Packer Ave. between Broad and 10th Sts., 7th and 10th Sts. between Johnston St. and Pattison Ave.

Maryland—Sept. 15, by State Rd. Comn., Baltimore, graveling 2 mi. Contr. P-49, Prince George Co. J. N. Mackall, chn.; adv. E. N.-R. Sept. 10.

Md., Baltimore—Sept. 19, by Bd. Awards, grading 24,000 cu.yd. streets in Contr. 300-OA. S. Purcell, City Hall, highways engr.

West Virginia—Sept. 29, by State Roads Comn., Charleston, grading and bituminous macadam or concrete paving 1½ mi. Country Club-Poca Rd., Project 3246, Putnam Co., $30,000; and concrete shoulders on 6 mi. Williamsport Pike, Project 2171 Berkeley Co., $75,000. B. E. Gray, Keyser, engr.

West Virginia—Sept. 29, by State Road Comn., Charleston, brick or concrete resur-

Streets and Roads (Continued)

facing 1 mi. North Main and 7th Sts., 24 ft., Project 2063, Ohio Co. $40,000. H. E. Snyder, Parkersburg, engr.

W. Va., Berkeley Springs — Sept. 26, by Morgan Co. Court, grading, etc. 4 mi. Long Hollow Rd., 16 ft., Projects 3343 and 3223. $75,000. B. E. Gray, Keyser, engr.

W. Va., Philippi—Sept. 15, by Barbour Co. Court, J. F. Hewitt, clk., grading, paving, etc. 1.5 mi. Ford Run Rd., Project 6, 0.6 mi. Morrall Rd., Project 6-A-B, 1.3 mi. River Rd., Project 7, 0.9 mi. River Rd., Project 11, and 1.7 mi. Brushy Fork Rd., Project 5, all in Philippi Dist. R. K. Johnson, co. engr. Noted Aug 20.

South Carolina—Sept. 15, by State Hy. Dept., 1626 Main St., Columbia, **(S.R. means State Route, S.P. State Project and F.A.P. Federal Aid Project)**, grading sheet asphalt, concrete or asphaltic concrete paving, etc. 3.46 mi. S.R. 21, F.A.P. 253-A Greenville Co., earth approaches to Dunham's bridge, S.R. 8, F.A.P. 231 Anderson and Greenville Counties and grading and concrete surfacing 0.965 mi. S.R. 21, F.A.P. 253-B, Greenville Co., E. D. Sloan, Greenville, engr. on above; sand clay surfacing, etc. 6.3 mi. S.R. 19, F.A.P. 258, Edgefield Co., State Highway Engineer, Columbia, engr.; sand clay surfacing and 3 timber bridges on 19.2 mi. S.R. 341, S.P. S.-501, A, B and C, Florence Co., J. M. Martin, Florence, engr.; rein.-con. bridge over Tidewater Creek on S.R. 8, F.A.P. 95-C, Beaufort Co., incl. 23,789 lbs. reinforcing, A. T. Brown, Scovill Bldg., Orangeburg, engr.

Fla., Orlando—Sept. 30, by J. A. Stinson, city clk., improving various streets, 69 mi. brick paving, 48 mi. 8 in., 6 mi. 12 in. and 3 mi. 15 in. sewers.

Fla., Tampa — Sept. 15, by City Comn., asphalt block paving 10,529 sq.ft. Impvts. 57, 58 and 59 $26,000, 9,136 sq.yd. Impvts. 54, 55 and 56 $25,000, 9,834 sq.yd. Impvt. 53 $25,000 13,815 sq.yd. Impvts. 60 and 61 $30,000, 12,058 sq.yd. Impvts. 21, 22, 23, 24, 25, 26, 41, and 45 $27,000, 10,566 sq.ft. Impvts. 51 and 52 $26,000, 10,648 sq.ft. Impvts. 6, 7, 8, 9, 1 and 16 $26,000, 9,000 sq.yd. Impvts. 2, 4 and $25,000; vitr. brick paving 19,607 sq.yd. Impvt. 64 $50,000, 10,937 sq.ft. Impvts. 62 and 63 $26,000, 13,545 sq.ft. Impvts. 13, 17, 18, 19, and 20 $30,000, 13,851 sq.yd. Impvt. 14 $30,000; 7,150 sq.yd. vitr. brick and 3,700 sq.yd. asphalt block paving Impvts. 11 and 12, $26,000; 5,500 sq.yd., vitr. brick and 4,605 sq.yd. filbertine paving Impvt. 3, $28,000; paving 58,000 sq.yd. Impvt. 1, $100,000. R. D. Martin, City Hall, engr.

Alabama—Oct. 14, by State Hy. Comn., Montgomery, grading and gravel surfacing 12.73 mi. Russellville-Lawrence Co. line Rd., 18 ft., Franklin Co. $72,000. R. C. Limerick, highway engr.

Ala., Birmingham — Oct. 15, by City Comn., grading and asphalt surfacing 5 blocks 39th and old 42nd St., 30 ft., $68,115; grading and chirt surfacing 4 blocks 52nd Pl., 9th Ave. and Georgia Rd 30 ft., $14,090; asphalt surfacing 1 block Bessemer Rd., 30 ft., $21,775, 2 blocks Ave. S. (Ensley), 30 ft., $17,375, and 6 blocks 19th St., 40 ft., $65,125. A. J. Hawkins, city engr. Noted July 30.

Miss., Amory—Sept. 14, by Mayor and Bd. Aldermen, improving various streets, 9,500 sq.yd. bituminous paving, 294,000 sq. ft. concrete sidewalks, 77,000 lin.ft. concrete curb and gutter. A. L. Dabney, 820 Columbia Tower, Memphis, Tenn., engr.

Miss., Louisville — Sept. 29, by Bd. Supervs. Winston Co., grading, gravel surfacing, etc. 14 mi. Federal Aid Project 74-B, 18 ft. $100,000. H. C. Dietzer, Jackson, engr.

Miss., Natchez—Sept. 22, by J. F. Jenkins, city clk., improving various streets, incl. 10,000 ft. curb and gutter, 25,000 sq.yd. resurfacing, 130,000 sq.yd. surfacing, 30,000 cu.yd. excav. 3 mi. storm and 5.1 mi. sanitary sewers, 2 centrifugal sewage pumps, etc. $500,000. M. L. Culley, Jackson, engr.

O., Columbus—Sept. 16, by Comrs. Franklin Co., grading and sheet asphalt paving, etc. 1703 ft. Dale Ave., $34,032; and 2,904 ft. Kellner Rd., $50,714, both 26 ft. in Truro Twp.

Wis., Milwaukee - Sept. 14, by Dept. Pub. Wks., R. Stoelting, comr., grading and concrete paving 23,293 sq.yd. various alleys. To exceed $25,000.

Kan., Oberlin—Oct. 2, by Clerk Decatur Co., grading, etc. 8.467 mi. Federal Aid Project 165 B, 28 ft. Kansas Eng. Co., 1233 Western Ave., Topeka, engr.

Nebraska—Sept. 16, by R. L. Cochran, highway engr., Capitol Bldg., Lincoln, **(F. A.P. means Federal Aid Project)**, gravel surfacing, etc. 157,000 sq.yd. Alliance Bridgeport Rd., F.A.P. 242-B Movill Co., 98,700 sq.yd. Beatrice-Fairbury Rd., F.A.P. 25, Gage Co., 90,500 sq.yd. Norfolk-Columbus Rd., F.A.P. 5 Platte Co., 41,100 sq.yd. Tekamah-Oakland Rd., F.A.P. 23 Burt Co., 81,100 sq.yd. Wahoo-David City Rd., F.A.P. 204-B Saunders Co., 75,000 sq.yd. Harvard-Eldorado Rd. F.A.P. 182 Clay Co., 106,500 sq.yd. Beatrice-Crab Orchard Rd., F.A.P. 122-A Gage Co., 214,500 sq.yd. Hebron-Fairbury, Rd., F.A.P. 118-A and B Thayer and Jefferson Counties, 168,000 sq.yd. Genoa-Albion Rd., F.A.P. 53 Boone Co., 265,650 sq.yd. Oakland-South Sioux City Rd., F.A.P. 49-A and C Dakota and Thurston counties; grading, etc. 88,500 cu.yd. Springview-Norden Rd., F.A.P. 267-A Keya Paha Co., 13,000 cu.yd. Alliance-Chadron Rd., F. A.P. 76-E, Dawes Co., 47,800 cu.yd. Hartington-Yankton Rd., F.A.P. 72-B, Cedar Co.; grading, gravel surfacing, etc. 50,000 sq.yd. Gretna-Melia Rd., 107-F Sarpy Co., 80,500 sq.yd. Harrisburg-Gering Rd., F.A.P. 69-A Banner Co., 20,000 sq.yd. Hyannis-Antioch Rd., F.A.P. 277-A, Grant Co. 157,000 sq.yd. Lakeside-Antioch Rd., F.A.P. 277-B Sheridan Co. 98,700 sq.yd. Hyannis-Seneca Rd., F.A.P. 80-A, Grant Co. 71,700 sq.yd. Hyannis-Seneca Rd., F.A.P. 80-B, Hooker Co.; and guard rail and incidental work on 2,904 lin.ft. Fairmont-Exeter Rd., F.A.P. 171-B, Fillmore Co., all for State Hy. Dept. $500,000.

Mo., Maryville—Sept. 16, by E. T. Archer & Co., engrs., 609 New England Natl. Bank Bldg., Kansas City, 7 in. rein.-con. paving 5 blocks various streets, here, for City.

Mo., Mexico — Sept. 14, by City Council brick, concrete or asphaltic concrete paving 7,500 sq.yd. various streets.

Arkansas—Sept. 29, by State Hy. Dept., Little Rock, grading and gravel surfacing 10 mi. Camden-Stephens Rd., Federal Aid Project, Ouachita Co. R. C. Limerick, highway engr.

Ark., Siloam Springs—Sept. 29, by Comrs. Paving Dist. 3, W. H. Dunlap, secy., grading, curbing and brick, concrete, rein.-con., vibrated concrete, sheet asphalt or asphaltic concrete surfacing, etc. 21,460 sq.yd. various streets. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Tex., San Antonio—Sept. 25, by Bexar Co., ½ in. or 1 in. natural limestone rock asphalt surfacing 9 blocks road from Cincinnati Ave. to Bandera Rd., 45 ft. $28,000. A. C. Pancoast, 102 Turner St., co. engr.

Tex., San Antonio—Oct. 2, by A. C. Pancoast, engr. Bexar Co., 102 Turner St., 1 in. natural limestone rock asphalt paving about 22 blocks on W. W. White Rd. from St. Hedwig to Seguin Rds., 40 ft. $28,000.

Tex., Wichita Falls—F. M. Rugely, engr., Wichita Falls, taking bids and opens same about Sept. 15, rein.-con. paving 4 blocks 17th St. from Burnett to Holliday Sts., 60 ft., for City. $35,000.

Oklahoma—Sept. 15, by State Hy. Dept., Oklahoma City, **(S.H. means State Highway)**, concrete surfacing 2 mi. Lone Grove Rd., 18 ft., S.H. 5, Carter Co. $72,000, 1 mi. Healdton Rd., 30 ft., S.H. 29, Carter Co. $30,000, 2.5 mi. Bixley Rd., 18 ft., S.H. 1, Muskogee Co. $66,000, and 3 mi. Oschelata Rd., 18 ft., Tulsa Co., $92,000; brick on present gravel surfacing 1.5 mi. Muskogee Rd., 18 ft., S.H. 1 $47,000, 2.5 mi. Muskogee Rd., 18 ft., S. H. 6 $65,000 and 1.5 mi. same road, 18 ft., $48,000, all Muskogee Co. J. M. Page, highway engr.

Oklahoma—Sept. 15, by State Hy. Dept., Oklahoma City, grading, bridging, etc. 25.6 mi. Chickasha-Rush Springs Rd., Grady Co., $238,000; 8.1 mi. Orlando-Mulhall Rd., Logan Co., $61,000; 12.5 mi. Perry-Orlando Rd. 1, Noble Co., $78,000; and 14.2 mi. Purcell-Paoli Rd., McLain Co., $130,000; all 30 ft. wide. J. M. Page, highway engr.

California—Sept. 21, by State Hy. Dept., Forum Bldg., Sacramento, concrete widening 15.2 mi. road between San Fernando and La Canada, Los Angeles Co. R. M. Morton, Sacramento, highway engr.

BIDS RECEIVED

Mass., Boston—Dept. Pub. Wks., granite block paving Cambridge and Court Sts., from S. J. Tomascello, 11 Cushing Terrace, Dorchester, $90,812.

N. Y. Brooklyn—J. A. Guider, boro pres., Boro Hall, Sept. 2, from F. Persicano, 350 Fulton St., grading, curbing and flagging Crown St. $3,157 East 98th St. $5,521, 51st St. $4,131; from Uvalde Asphalt Co., 1 Bway., New York City, sheet asphalt paving Crown St., etc. $8,735, East 26th St., etc. $8,027 and East 26th St., etc. $10,427 asphalt paving Rutland Rd. $23,614, from Brooklyn, Alcatraz Asphalt Co., 407 Hamilton Ave., East 9th St. $8,252, 63rd St. etc. $5,332, 71th St. $8,436, East 10th St. $9,363, East 16th St. $9,153; from W. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging East 16th St. $5,036, West 9th St. $4,989, 52nd St. $3,292, 55th St. $3,810, 61st St. $3,660, from G. M. Mandato, 129 29th St., East 10th St. $2,889, East 26th St. $3,024, East 37th St. $3,367, Ave. M and Gravesend Ave., etc. $2,844; from Sicilian Asphalt Co., 41 Park Row, New York City, asphalt repaving Gates Ave. $36,425, Montague St. $32,880; from B. Turecamo, 8706 Bay 12th St., asphalt paving Ave. M, etc. $21,831, 55th St. $9,087, from Cranford Co., 52 9th St., 19th Ave. $4,321, 52nd St. $7,109, 63rd St. $4,835; from M. J. O'Hara, 717 65th St., 61st St. $9,691; from Buoneello Contg. Co., 6903 Ft. Hamilton Ave., grading, curbing and flagging 64th St., $13,709; from C. Bennett Contg. Co., 414 Rutland Rd., grading, recurbing and granite paving Rochester Ave. $12,066. Granite paving Montague St. $15,157. Noted Aug. 27.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., Sept. 3, from Interboro Asphalt Co., 2306 Creston Ave., bituminous concrete paving McClellan St. $5,892, East 212th St. $4,783, sheet asphalt paving Ellis Ave., $27,419, White Plains Rd. $11,507, Holland Ave. $15,950; from Gaffney Constr. Co., bituminous concrete paving St. Lawrence Ave. $19,423, East 212th St. $4,783, Melville St. $18,968, sheet asphalt paving Garfield St. $9,570; from Burnside Contg. Co., 270 Burnside Ave., asphalt block repaving Fox St., $13,665; from J. V. Timoney Constr. Co., 220 East 201st St., sewers, etc. in College Ave. $12,073, and from Anita Constr. Co., 2975 Marion Ave., in O'Brien Ave., $7,247. Noted Aug. 27.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Sept. 3, granite block repaving, etc. West St., from J. Meehan & Son, 74 Cortlandt St., $118,680; widening and sheet asphalt repaving 57th St., from W. J. Fitzgerald, 547 West 45th St., $22,650. Noted Aug. 27.

Pennsylvania—State Hy Dept., Harrisburg, Sept. 1, **(A. means Application and R. means Route)** one course rein.-con. paving 13,820 ft. South Pymatuning Rd., A. 3451, Mercer Co. from R. H. Cunningham & Sons Co., 617 Penn Ave., Turtle Creek $100,092, 7,491 ft. Catasaqua Rd., A. 2497, Lehigh Co., from G. H. Hardner, 602 Hamilton St., Allentown $108,777, 8,380 ft. Derry-Palmyra Rd., R. 139, Dauphin and Lebanon Counties, from C. B. John & Bro., Malvern $112,164, 6,097 ft. Hepburn Rd., R. 20, Sect. 9, Lycoming Co., from Lane Constr. Corp., 35 Colony St., Meriden, Conn. $57,962, 11,668 ft. New Cumberland-Lomoyne-Lower Allen Rd., R. 250, Cumberland Co., from P. R. Hostetter Co., Inc., Summer St. and West Maryland R.R. tracks, York $109,831, 4,450 ft. Economy Twp. Rd., A. 3316, Beaver Co., from G. S. White Co., Jenkins Arcade, Pittsburgh $40,078, 66,810 ft. Ulysses-Sweden Rd., R. 102, Sect. 5, Potter Co., from D. L. Dennis, Smethport $743,567, 28,830 ft. Centerville Borough Rd., R. 268, Sect. 8, Washington Co., from Blue Ridge Constr. Co., Inc., Uniontown, $390,337, 10,318 ft. Kiskiminotas-Parks Twp. Rd., R. 69, A. 3030 and 2617, from M. J. McMahon, Deposit Natl. Bank Bldg., Du Bois $111,382, and 11,657 ft. East Franklin Twp. Rd., R. 251, A. 3027, from Johnson, Drake & Piper, Inc., Minneapolis, Minn., $91,864, both Armstrong Co.; also bituminous on concrete or one course rein.-con. paving 13,851 ft. R. 258, A. 3356, Venango-Cambridge Rd., Crawford Co., from Rockford Constr. Co., Rockford, O., $117,898. Noted Aug. 13.

Maryland — State Roads Comn., Baltimore, Sept. 1, concrete paving 2.42 mi. Contr. P-42, Prince George Co., from Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $77,669. Noted Aug. 27.

Md., Baltimore — Bd. Awards, concrete paving alleys listed in Alley Contr. 117, from Arundel Constr. Co., Knickerbocker Bldg., Baltimore, $48,545. Noted Aug. 27.

Kentucky — State Hy. Dept., Frankfort, Aug. 24, **(F. A. P. means Federal Aid Project)** grading, etc. 1.75 mi. Paintsville-Inez Rd., F. A. P. 139 A, Johnson Co. and 9.67 mi. Inez-Paintsville Rd., F. A. P. 139 B, Martin Co., both 24 and 28 ft., from Sutton Constr. Co., Ashland, $36,096 and $178,640 respectively; concrete, rock asphalt, or waterbound macadam paving 3.42 mi. Lawrenceburg-Grafensburg Rd., F. A. P. 134 A, Anderson Co., from Irvine Constr. Co., Irvine, $60,581; bank or river gravel or waterbound macadam paving 10.5 mi. Louisville-Paducah Rd., F. A. P. 37 A, Breckinridge Co., from Ellis & Kelly, Owensboro, $92,081, all foregoing 16 ft. Noted Aug. 20.

Michigan—State Hy. Dept., at office Comrs. Ionia Co., Ionia, Sept. 1, grading and graveling 4.039 mi. County A.D. 26, from Banhagel Constr. Co., Ionia, $59,424. Noted Aug. 27.

Wis., Rhinelander—A. Moe, city clk., Aug. 25, from Bridges Asphalt Paving Co., Wabash, Ind., improving various streets, 25,500 sq.yd. sheet asphalt paving at $1.30 per sq.yd., 800 cu.yd. excav. $0.60, 1,380 tons binder $6, 2,800 ft. concrete curb and gutter $0.60. Noted Aug. 27.

Streets and Roads (Continued)

Wis., Wauwatosa — Bd. Pub. Wks., A. Brigham, secy., Aug. 28, from Jacobs & Winding Concrete Constr. Co., 1 State St., grading, rein.-con. paving, etc. 13,075 sq.yd. 59th and North Main Sts. at $2.07 per sq.yd., and 5,760 sq.yd. 13th Ave., Forest and 61st Sts., $2.14. Noted Aug. 20.

Montana—State Hy. Dept., Helena, gravel surfacing 5.15 mi. Yellowstone Trail, Yellowstone Co., from J. M. Carter, Billings, $30,156.

Missouri—State Hy. Dept., Jefferson City, Aug. 28, from Shull & Melton, California, 20 ft. grading 4.783 mi. St. Louis-Springfield Rd., Laclede Co. $22,042, from Gaines Bros. & Co., Fairland, Okla., 13.99 mi. St. Louis-Springfield Rd., Franklin Co. $104,018, from O. H. Schmidt, St. Joseph, 0.229 mi. St. Joseph-Gower Rd., Clinton Co. $1,128, and 0.152 mi. Kansas City-St. Louis Rd., Calloway Co. $1,495, from Pope Constr. Co., Jefferson City, 3.595 mi. Kansas City-St. Louis Rd. $4,434, and 4.016 mi. Kansas City-Jefferson City Rd., Montgomery Co. $32,180; from E. D. Tyner Constr. Co., Kansas City, grading 1.259 mi. St. Joseph-Kansas City Rd., Clay Co. $1,244 and 4.802 mi. Kansas City-St. Joseph Rd., Platte Co. $6,073, from E. J. Wells, Oklahoma City, Okla., 3.714 mi. Kansas City-Jefferson City Rd., Jackson Co. $42,835, from Smith Bros., Inc., Dallas, Tex., 2.392 mi. Kansas City-St. Louis Rd., Calloway Co. $22,979, from Novaculite Constr. Co., Marion, Ill., 3.939 mi. road from Iplet west, Mississippi Co. $13,442; from Pickus Eng. & Constr. Co., St. Louis, grading 11,112 mi. and 18 ft. concrete surfacing 3.977 mi. Kansas City-St. Louis Rd., Calloway Co., $89,066; from A. A. Davis & Lahar Bros. Constr. Co., Oklahoma City, Okla., grading 4.068 mi. road from Springfield west, Greene Co. $14,212, 2.898 mi. road from Springfield west, Lawrence Co. $4,631, 5.597 mi. Kansas City-Jefferson City Rd., Johnson Co. $33,847, 7.11 mi. Kansas City-Jefferson City Rd., Jackson Co. $53,490, and grading and 18 ft. concrete paving 3.494 mi. same road $82,466; from J. Stanton, Leavenworth, Kan., grading 3.551 mi. road from Springfield west, Greene Co. $3,833, 4.811 mi. road from Springfield west, Lawrence Co. $3,658 and grading and 18 ft. concrete paving 4.936 mi. same road, $91,672; from Zeigler Bros., Junction City, Kan., grading 3.144 mi. Excelsior Springs-Richmond Rd., Ray Co. $22,419, 18 ft. concrete paving 3.306 mi. Marshall-Sedalia Rd., Saline Co. $65,268, 4.802 mi. Kansas City-St. Joseph Rd., Platte Co. $46,931, grading and 18 ft. concrete surfacing 3.339 mi. St. Louis-Jefferson City Rd., Pettis Co. $49,618; from Davis Constr. Co., Boonville, grading 4.415 mi. Kansas City-St. Louis Rd., Boone Co. $71,743, grading and 18 ft. concrete paving 9.95 mi. same road $221,461, 18 ft. concrete paving 11.855 mi. Kansas City-St. Louis Rd., Calloway Co., $157,528; from Smith Bros., Inc., Amer. Express Bank Bldg., Dallas, Tex., grading and 18 ft. concrete paving 7.067 mi. Marshall-Sedalia Rd., Saline Co. $305,642, 18 ft. concrete paving 2.195 mi. same road ··6,659, 2.87 mi. Kansas City-Jefferson City Rd., Johnson Co. $28,791, 4.415 mi. Kansas City-St. Louis Rd., Boone Co., $65,512; from Koss Constr. Co., Ft. Des Moines, Ia., grading 3.617 mi. Kansas City-St. Louis Rd., Johnson Co. $4,813, 18 ft. concrete paving 6.506 mi. road from Springfield west, Greene Co. $113,364, 20.122 mi. road from Springfield west $349,145; from Western Asphalt Paving Corp., Sioux City, Ia., grading 2.955 mi. road from Springfield east and west, Greene Co. $2,449, 4.977 mi. Higginsville-Warrensburg Rd., Lafayette Co. $3,458, 2.189 mi. Kansas City-St. Louis Rd., Johnson Co. $1,526, 12.413 mi. road from Springfield west, Lawrence Co. $8,369, 3,753 mi. Kansas City-St. Louis Rd., Montgomery Co. $11,546, 3.306 mi. Marshall-Sedalia Rd., Saline Co. $2,740, 10.297 mi. Marshall-Sedalia Rd., Pettis Co. $8,245, 18 ft. concrete paving 2.195 mi. Marshall-Sedalia Rd., Saline Co. $1,603, 3.144 mi. Richmond-Excelsior Springs Rd., Ray Co. $18,087, 11.288 mi. same road $76,202; from Betman & Menefer, Sedalia, 18 ft. concrete paving 10.297 mi. Marshall-Sedalia Rd., Pettis Co. $197,993, from Karo Constr. Co., Des Moines, Ia., 4.068 mi. road from Springfield west, Greene Co. $70,988, from W. P. McGeorge & Co., Pine Bluff, Ark., 19.274 mi. Kansas City-Jefferson City Rd., Montgomery Co. $165,165, from W. A. Ross, Kansas City, 8.533 mi. Kansas City-St. Louis Rd., Johnson Co. $81,633, 4.977 mi. Higginsville-Warrensburg Rd., Lafayette Co. $58,252, 10.829 mi. Kansas City-Jefferson City Rd., Jackson Co. $100,336, from C. H. Atkinson Paving Co., Watertown, S. D., 1.259 mi. Kansas City-St. Joseph Rd., Clay Co. $11,819, from Hamilton Hoffman Constr. Co., Carbondale, Ill., 2.392 mi. Kansas City-St. Louis Rd., Calloway Co. $36,116, from Thayer Constr. Co., Worthington, Minn., 4.218 mi. Edina-Paris Rd., Shelby Co. $18,541, from Pioneer Constr. Co., Kansas City, 4.24 mi. Salisburg-Keytesville Rd., Chariton Co. $33,876, from Cook & Waddell, Ottawa, Kan., 4.099 mi. same road $21,111, from P. W. Fletcher, Hannibal, 4.237 mi. Butler-Appleton City Rd., Bates Co. $17,509, 4.496 mi. road from Nevada east and west, Bates Co. $20,538; from Clague & Strohl, Bowling Green, 9 and 18 ft. concrete paving 3.939 mi. road from Ipley west, Mississippi Co. $40,611; and from S. Henke, Jefferson City, 20 ft. gravel surfacing 1.026 mi. Jefferson City-St. Louis Rd., Osage Co., $2,922. Noted Aug. 20.

Texas — Parker Co. (Weatherford) and Johnson Co. (Cleburne) grading, bridging and gravel surfacing 7.17 mi. State Highway 10, Federal Aid Project 300-D and E, 166,406 lb. reinforcing, from Culverhouse & Jones, Malone, $76,826. Engrs. est. $94,000.

Tex., Anson—Jones Co., grading and bridging 31.7 mi. State Highway 83, State Aid Project 598, A and B, from A. Smith, Bryan, $57,852. Engrs. est. $600,000.

Colorado — State Hy. Dept., Denver, graveling 5.587 mi. road west of Gunnison, Federal Aid 258C, Gunnison Co., and grading road between Palisades and De Beque, Federal Aid 297 A, Mesa Co., from E. H. Honnen, Box 391, Colorado Springs, $60,101 and $40,188 respectively; 113 ft. concrete bridge and approaches over Muddy Creek on road 19 mi. south of Pueblo on Rd. 1, Federal Aid 296 A, Pueblo Co., from C. A. Switzer, 4312 Zenobia St., Denver, $17,810. Noted Aug. 6.

California — State Hy. Comn., Forum Bldg., Sacramento, Aug. 24, grading and concrete paving 0.4 mi. road between American River and Globe Iron Wks., Sacramento Co., from Kaiser Paving Co., Amer. Bank Bldg., Oakland, $25,519. Engrs. est. $23,084. Noted Aug. 13.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks, and concrete paving 6,635 sq.ft. 1st St. from Vermont Ave. to Edgworth St., from P. J. Akmadjich, 821 Yale St., $16,196, engrs. est. $32,638; 19,586 sq.ft. Wall St. from 82nd to 83rd Sts., from C. W. Sparks, Henne Bldg., $4,940, engrs. est. $5,146; and 137,768 sq.ft. 79th St., from J. Mullarkey, 8435 South Vermont St., $31,294, engrs. est. $33,961.

Calif., Santa Ana—Orange Co., 7 and 8 in. concrete paving 4 mi. Stanton Ave. between Lincoln and Garden Grove Aves., from C. E. West, 1266 Wesley Ave., Pasadena, $68,500.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 2,840 ft. highway in Webster, to H. and H. P. Green, 325 Greenwood St., Worcester $13,700, 2,033 ft. highway in Dighton, to Z. L. Canedy, East Taunton $9,977, 29,495 ft. highway in Middleborough, to Powers Bros., 161 Montello St., Brockton $212,103, 2,340 ft. highway in West Boylston, to C. E. Horne, Milbury $20,179, 3,250 ft. highway in Millis, to W. H. Hinman, Medway $17,295, 3,950 ft. highway in Ashburton to S. S. Catanese, 151 Harrison Ave., Fitchburg $22,484, 16,135 ft. highway in Wareham, to D'Onfro Bros., Inc., 712 Main St., Leominster, $123,903; gravel surfacing 4,000 ft. highway in Norfolk, to Canedy Constr. Co., Clifford, $13,635, and concrete bridge and approaches on 980 ft. highway in Barnstable, to Eng. Serv. & Constr. Co., 220 Devonshire St., Boston, $39,851. Grand total $473,127. Noted Sept. 3.

N. Y., Brooklyn—J. A. Guider, pres., Boro Hall, to Uvalde Asphalt Paving Co., 1 Bway., New York City, asphalt paving Atkins Ave., $5,520, East 34th St., $3,133, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, asphalt paving and repaving, East New York Ave., $3,436, Grand Ave., $21,393, Livonia Ave., $2,931, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving, Ave. T, $3,314 8th Ave., $59,071, 12th Ave., $9,416, 17th Ave., $5,483, 19th Ave., $3,092, 89th St., $7,404, 90th St., $4,590, to B. Turecamo Contg. Co., 8706 Bay 12th St., Colonial Rd., $4,504, to F. L. Gallagher, 490 Park Place, concrete paving on granite Junius St., $4,049, granite paving Portal St. $21,535, to C. Bennett Contg. Co., 414 Rutland Rd., grading, curbing and flagging Brooklyn Ave., $2,531, 47th St., $6,757, to Grimm Contg. Co., 170 McKinley St., 12th Ave., $2,753, 17th Ave., $1,490, to J. M. Mandetto, 129 29th St., East 20th St., $2,308, Ave. P. $2,257, Ave. T. $2,257 to W. J. McHale Contg. Co., 1250 Jefferson St., East 39th St., $3,205, to M. J. O'Hara, 1228 Park Ave., New York City, curbing, flagging and asphalt paving, 7th Ave., $4,359. Grand total $183,655. Noted Aug. 20.

N. J., Elizabeth—Union Co., paving Central Ave., Clark Twp., to J. M. Reuter, 544 Adams St., $25,011.

N. J., Newton—Sussex Co., concrete paving 2 mi. Sparta-Woodport Rd., to R. B. Cahill & Co., 299 Central Ave., Newark, $84,084. Noted Sept. 3.

Pennsylvania — State Hy. Dept., Harrisburg, improving 21,600 lin.ft. Bensalem Twp. Rd., Route 150, Bicks Co., 20 ft., to Bonham Co., Bridgeport, N. J., $157,717.

West Virginia—State Hy. Comn., Charleston, bituminous macadam surfacing 0.3 mi. Main St. of Matoaka, Project 3093-A, Mercer Co., to Raleigh Constr. Co.; Beckley $12,435, 1.5 mi. Coalton-Mabie Rd., Project 3212, Randolph Co., to Monto, Scarfo & Cirillo, Elkins, $17,264; grading, etc. 5.1 mi. Franklin-Monterey Rd., Project 3213-A, Pendleton Co., to Sutton Constr. Co., Kenova $59,035, 6 mi. Franklin-Riverton Rd., Project 3175-C, Pendleton Co., to Hall & Mitchell, Keswick, Va. $105,118, 4 mi. Plymouth-Red House Rd., Project 3247, Putnam Co., to Stollings Constr. Co., St. Albans $27,063, 5.4 mi. Parsons-Elkins Rd., Project 3211-C, Randolph Co., to Rogers & Shumway, Worthington $50,928, 4.5 mi. Scary-Winfield Rd., Project 3350, Putnam Co., and 5 mi. Ellenboro-Pleasants Co. line Rd., Projects 3265 and 3267, Ritchie Co., to Smith & Bender, Nitro, $26,993 and $96,949 respectively. Grand total $395,783. Noted Aug. 6.

W. Va., Charleston—Mercer Co., grading and bituminous macadam surfacing 1.5 mi. Cumberland Turnpike, 16 ft., to White, Rich & Co., Princeton $27,854.

W. Va., Philippi—Barbour Co., improving 3.93 mi. Union Dist. Road, to Marshall & Gilooly, Elkins, $151,000.

Miss., Winona — Grading, curbing and concrete paving various streets, to G. W. Turner & Co., 280 Ayres St., Memphis, approximately $150,000.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, to Shea Bros., Knoxville, grading, etc. 5.3 mi. Sunbright-Scott Co. line Rd., S.A.P. 300-A, Morgan Co. incl. 2 bridges over 29 ft. span, $53,222, to L. Rich Constr. Co., Harrison, Ill., 12.89 mi. Dyersburg-Obion Co. line Rd., S.A.P. 303, Dyer Co. $54,155, to Harrison, Walters & Prater, White Pine, 1.22 mi. Alcoa Rd., S.A.P. 199, Blount Co. $10,106, to Cresap Co., Humbolt, 6.78 mi. road from Gibson Co. line to point near Jackson, F.A.P. 51-C, Madison Co. $32,927, to S. K. Jones Constr. Co., Rand Bldg., Memphis, 3.97 mi. Millington-Tipton Co. line Rd., F.A.P. 31-C, Shelby Co. $27,913, to Bender, Beckham & Croix, Chattanooga, 1.03 mi. Market Street Bridge-Stringer Ridge Tunnel Rd., S.A.P. 197, Hamilton Co., $41,112; rock gravel surfacing, to C. & G. Constr. Co., Dickson, 14.75 mi. Obion-Lanes Ferry Rd., S.A.P. 196, Dyer and Obion Counties $39,975; to Hoeffken Bros., Belleville, Ill., bituminous concrete surfacing 3.66 mi. road from Gibson Co. line to end of F.A.P. 29-B, Madison Co. $85,092 concrete surfacing 2.45 mi. Humbolt-Madison Co. line Rd., F.A.P. 29-A, Gibson Co. $58,226 and 7.38 mi. Jackson-Gibson Co. line Rd., F.A.P. 29-B, Madison Co. $176,230, to S. E. Finley, Atlanta, Ga.; 5.81 mi. Mt. Pleasant-Rockdale Rd., F.A.P. 34-B, Maury Co., $152,272. Grand total $731,230.

Tenn., Memphis — Grading, curbing and asphalt on concrete surfacing Central Ave. from Cooper St. to Speedway, Fairgrounds, to G. T. Turner & Co., 280 Ayers St., $50,607.

Kentucky — State Hy. Dept., Frankfort, bituminous macadam surfacing 3.42 mi. Lawrenceburg-Grafensburg Rd., 16 ft., Federal Aid Project 134-A, Anderson Co., to Perkins Constr. Co., Frankfort, $76,798; bank gravel surfacing 10.5 mi. Louisville-Paducah Rd., 16 ft., Federal Aid Project 37-A, Breckenridge Co., to Ellis & Kelley, Owensboro, $92,081; grading, etc. 1.75 mi. Paintsville-Inez Rd., Federal Aid Project 139-A, Johnson Co., and 9.67 mi. same road Sect. B, Martin Co., both 24 and 28 ft., to Sutton Constr. Co., Ashland, $36,096 and $17,640 respectively. Grand total $222,615. Noted Aug. 20.

O., Cleveland—Cuyahoga Co., improving Cedar Rd. 6 41,240 lin.ft. concrete curbing, 48,640 lin.ft. 4 in. drain tile guttering, 38,950 sq.yd. vitr. brick, and 11,500 cu.yd. earth excav., to Cleveland Trinidad Paving Co., The Arcade, $258,498. Engrs. est. $322,200.

O., Cleveland—To River Constr. Co., 402 Mapleside Rd., grading stone curbing, guttering and vitr. brick paving 11,480 sq.yd. Sandusky Ave. $79,030, to Gould & Maybach, 16311 Saranec Rd., 8,790 sq.yd. Rudyard Rd. and East 125th St., $14,601 and $38,988 respectively; to Cleveland Trinidad Paving Co., The Arcade, grading, curbing, guttering vitr. brick and granite block paving Superior Ave. $3,943, East 37th St. $11,749, East 115th St. $5,998,

Streets and Roads (Continued)

East 118th St. $20,563, East 163rd St. $9,889, West 165th St. $10,353, to Enterprise Paving & Constr. Co., 8444 Bway., East 57th St. $16,440, East 67th St. $11,787, East 138th St. $6,774, to Baldwin Bros., 4500 Euclid Ave., East 90th St. $10,278, West 30th St. $6,878, West 84th St. $17,911, to H. G. Herring, West 73rd St. and Wheeling and Lake Erie R.R. tracks, East 165th St. $7,604, to Highway Constr. Co., West 112th St. and Madison Ave., West 168th St. $7,236. Grand total $280,022. Noted Sept. 3.

O., Cleveland—Cuyahoga Co., grading and concrete paving 9,940 sq.yd. Mastick Rd., and 11,800 sq.yd. Hall Rd., to Ohio Eng. Co., Lorain, $81,979 and $41,427 respectively. Engrs. est. $96,000 and $51,000 respectively. Noted Aug. 20.

O., New Philadelphia — Tuscarawas Co., resurfacing Old Town Rd., to C. G. Fuller, Genl. Del., Dover, $28,290. Engrs. est. $30,000.

Ill., Libertyville—Improving Park Ave. and Park Ave. extension, 14,750 sq.yd. concrete 8,550 ft. curb and gutter, 3,000 ft. storm sewers, to J. Cape & Sons, Racine, Wis., $54,805.

Ill., McHenry — Grading, curbing and vibrolithic concrete surfacing 9,421 sq.yd. streets in Paving Dist. 5, to McGucken & Vander Heyden Co. 314 Fowler St., Milwaukee, Wis., $32,087. Noted Aug. 13.

Ill., Plano—Grading, curbing and concrete paving various streets, to Trompeter & Son, Peru, Ill. Engrs. est. $48,000.

Minn., Duluth—W. H. Tischer, city comr., grading, curbing and concrete paving, etc. 2,158 sq.ft. 45th Ave., to E. Olson, 112 North 10th St., $32,691, also 18,900 sq.yd. roadway and 12,100 ft. along car tracks on Grand and 93rd Aves., to Shipman & McCumber, 2810 East 2nd St., $86,092.

Neb., Wilbur—Brick, warrenite, sheet asphalt, asphaltic concrete, vibrolithic or concrete paving 11,700 sq.yd. various streets, to Abel Constr. Co., 813 Terminal Bldg., Lincoln.

Mo., Carrollton—Improving North Folger St., 8,240 yd. rein.-con., 5,774 ft. curb and gutter, to C. F. Brindle, 647 Ann Ave., Kansas City, Kan., $25,035.

Mo., Clayton—Clayton Co., improving Ogden Ave., 1,674 cu.yd. excav., 4,122 sq.yd. rein.-con. base course, 400 cu.yd. additional material for base, 4,364 sq.yd. telford base, 8,391 sq.yd. bituminous macadam surface, 4,708 ft. concrete curbing, etc., to Blackburn-Crean Constr. Co., 205 Chouteau Trust Bldg., St. Louis, $29,675.

Mo., Maitland — H. E. Kelly, city clk., grading, concrete paving, etc. 7,192 sq.yd. various streets, to Asplund Constr. Co., Tecumseh, Neb.

Tex., Angleston—Brazoria Co. will resurface with shell 4½ mi. State Highway 10, 18 ft., by day labor. $28,000. R. J. Hank, Austin, highway engr.

Tex., Anson — Jones Co., grading and bridging 15.27 mi. State Highway 18, Federal Aid Project 477-C, to Thomas & Ratliff, Rogers, $53,397. Engrs. est. $72,960. Noted June 11.

Tex., Anson—Jones Co., grading, etc., 17.8 mi. State Highway 93, State Aid Project 606, 28 ft., to Bucy & Childs, Rising Star, $37,173. Engrs. est. $45,929.

Tex., Boston—State Highway Engineer, Austin, clearing, grubbing, grading, concrete paving and bridging 10.29 mi. State Highway 1, Federal Aid Project 474, Bowie Co., to McGuire & Cavender, Sherman, $301,213. Engrs. est. $349,939. Noted July 16.

Tex., Dallas — To Fuller Constr. Co., Fidelity Union Bldg., asphaltic concrete paving Roseland St. from Hall to Washington Sts., Munger St. from Hall to Caddo and Maderio Sts., McMillan St. to Grandview St. $51,180, Fuqua St. from Hall to Washington Sts., Melrose St. from McMillan to Grandview Sts. $26,635, Allen St. from Thomas to McKinney Sts., Carroll St. from Cabell to Rusk Sts. $30,528, Mannett St. from Fitzhugh to Henderson Sts., Hays St. from Washington to Caddo Sts. $25,966, and Prairie St. from Greenville to Matilda Sts., Bonview St. from Fitzhugh to Henderson Sts. $29,278; to Uvalde Paving Co., Santa Fe Bldg., Tilden St. from Kessler Blvd. to Plowman St., Mission St. from Fitzhugh to Garrett Sts. $26,559, Okenwald St. from Zangs to Plowman Sts., Catherine St. from Hampton to Chalmers Sts. $26,010, Tilden Pl. from Tilden St. to Zangs Blvd., Prairie St. from Ross St. to Elk Dr. $26,571, Willomet from Jefferson to Brooklyn Sts., Suffolk St. from Beckley to Madera Sts. $31,414, Comal St. from Jefferson to Marsalis Sts., Hickory St. from Ervay to Harwood Sts. $31,646, Romine St. from Cleveland to Holmes Sts., Cleveland St. from Casey to Romine Sts., Rosemont St. from 10th to 12th Sts., $32,648, South Blvd. from Houston & Texas Central R.R. tracks to Ervay St., Polk St. from Davis to 8th Sts. $27,911; to Smith Bros., Santa Fe Bldg., Hollywood St. from Beckley to 12th Sts., Worthington St. from McKinney to Hibernia Sts., Page St. from Taylor to Winnetka Sts. $25,698, Comal St. from Jefferson to Fleming Sts., Jefferson St. from Marsalis on Addison St., Parry St. from Exposition to Haskell Sts. $30,239, Gladston Dr. from Montreal St. to Hampton Rd., Brighton St. from Jimtown to Winters Sts., Concha St. from Beckley to Elsbeth Sts. $25,235, Gurley St. from Bank to Henderson Sts. $36,333; to Central Bitulithic Co., Praetorian Bldg., 8th St. from Lancaster to Weing Sts., Fitzhugh St. from East Grand to Farney Sts. $29,467, Knight St. from Maple to Brown Sts., Greenwood St. from Hall to Liberty Sts., Lamesa St. from Alma to Henning Sts., $26,906; to Texas Road Co., Mercantile Bank Bldg., Griffen St. from McKinney to River Sts., Taylor St. from Henry to Crowders Sts., Summer St. from Broom to Ashland Sts. $25,977. Grand total $566,201.

Tex., Dallas — To Fuller Constr. Co., Fidelity Union Bldg., paving Belmont St. from Raitman to Greenville Sts. $28,476, Sinex St. from Raitman to Greenville Sts. $32,641, Lano St. from Raitman to Greenville Sts. $32,641, Bram St. from Raitman to Edgemont Sts. and Phillips St. from Bank to Fitzhugh Sts. $28,979, Sanger Ave. from Erway to Wall Sts. and Bryan Parkway from Linden to Oram Sts. $28,286, Boll St. from Ross to Thomas Sts. $25,557; to Central Bitulithic Co., Praetorian Bldg., Grand St. from Ervay to Exposition Sts. $95,567, Glasgow Dr. from Santa Fe to East Grand Sts. $32,867, 10th St. from Lancaster to alley west of Polk St. $86,480; to Smith Bros., Inc., Santa Fe Bldg., Dallas, Barry St. from East Grand to Forney Sts. $35,559, Marsalis St. from Jefferson St. to Marsalis Park $30,245, Lancaster Ave. from Brazos to 10th St. $51,649; to Texas Road Co., Mercantile Bank Bldg., Bryan St. from Cantegral to Munger Sts. $107,447. Bryan St. from Pacific to Cantegral Sts. $37,178, Commerce St. from Harwood to Houston & Texas Central R.R. tracks, $25,908, McKinney St. from Lamar to Harwood Sts. $33,241, McKinney St. from Routh to Bowen Sts. $34,180, McKinney Ave. from Bowen to Haskell Sts. $30,580; to Uvalde Paving Co., Santa Fe Bldg., Seever St. from Vermont to Illinois Sts. $33,496, Velasco St. from Raitman St., to Greenville Rd. $28,180. Grand total $839,157.

Okla., Holdenville—Concrete paving 9,200 sq.yd. South Echo St., to N. Wiggins, Manhattan Bldg., Muskogee, $28,142. Noted Aug. 20.

Okla., Okemah—Grading and concrete paving 21 blocks Bway., 5th, 6th, 7th Sts., to Park & Moran, 210 South Seminole St., Okmulgee, $88,554. Engrs. est. $105,168.

Okla., Oklahoma City—Sheet asphalt surfacing 3,500 sq.yd. Exchange Ave. and asphalt on 6 in. concrete surfacing 4,900 sq.yd. 22nd St. and Pennsylvania Ave., to Western Paving Co., Tradesmens Bldg., $14,828 and $23,094 respectively; 1.5 Warrenite on 4.5 in. rock asphalt surfacing 3,400 sq.yd. Lottie Ave., to Warren Bros., Oklahoma City, $17,485. Noted Aug. 6.

Colorado—State Hy. Dept., Denver, graveling 2.216 mi. Trinidad La Junta Highway, Federal Aid 267 B, Las Animas Co., to Central Constr. Co., La Veta, $22,858. Noted June 25.

Wash., Seattle—Bd. Pub. Wks., grading and paving Highland Park Way et al., to Goetz & Brennan, Seaboard Bldg., $123,102. Engrs. est. $121,600. Noted Sept. 3.

Oregon—State Hy. Dept., Salem, to C. M. Igoe, Marshfield, improving 4.75 mi. Roosevelt Highway, Coos Co., 24 acres clearing at $200 per acre, 17 acres grubbing $200, 35,000 cu.yd. earth excav. $0.55, 19,000 cu. yd. solid rock excav. $0.55, etc., total $50,210.

Calif., Glendale—Improving 8 blocks Flower and Lakes Sts., Sonora and Roberta Aves., etc., 349,336 sq.ft. 4 in. concrete base, to C. N. Henser, Box 98, Glendale, $79,573. Engrs. est. $75,225.

Calif., Huntington Beach—Curbing, sidewalks and 1½ in. sheet asphalt and 3½ in. asphaltic concrete paving 249,910 sq.ft. Olive Ave. between 1st and 23rd Sts., to G. M. Souter, 410 9th St., $53,065. Engrs. est. to exceed $50,000.

Calif., San Diego—Common Council, grading, curbing, sidewalks, etc. on Mission Ave., to H. G. Fenton, 1980 Main St. $41,292.

Buildings—Industrial

PROPOSED WORK

Mass., Atlantic—MANUFACTURING—Norfolk Woodworking Co., Braintree, having plans prepared by L. S. Joslin, 339 Newbury St., Boston, 37 x 46 ft. boiler house, 25 x 33 ft. repair garage, 50 x 110 ft. dry kiln and lumber storage building and 35 x 40 ft. office building, all 1 story,

SUBWAY—NEW YORK, N. Y.

Following are lowest three bids opened by Board of Transportation, 49 Lafayette St., June 12, for constructing Route 78, Sect. 2, under Central Park West from West 89th to West 100th Sts., (A) T. A. Gillespie Co., 7 Dey St. (awarded contract); (B) Rosenthal Engineering & Contracting Co., 226-8 Jackson St., Brooklyn; (C) F. L. Cranford, Inc., 149 Remsen St., Brooklyn. The unit bids are as follows:

		A	B	C
86,000 cu.yd.	earth excavation	$6.50	$10.85	$11.83
126,000 cu.yd.	rock excavation	13.00	10.85	11.83
Underpinning buildings	(a) No. 385–No. 386 (lump sum)	5,000.00	10,000.00	5,600.00
	(b) No. 390 (lump sum)	15,000.00	15,000.00	2,000.00
	(c) No. 391–No. 393 (lump sum)	15,000.00	25,000.00	6,900.00
	(d) No. 409–No. 410–No. 411 (lump sum)	12,000.00	8,000.00	13,000.00
30	furnishing and planting trees	100.00	40.00	40.00
425 lin.ft.	removing and restoring park wall fence	12.00	12.00	10.00
29,000 cu.yd.	concrete masonry	20.00	21.00	22.00
8,000 sq.ft.	rubbed surface	.12	.15	.15
4,250 cu.yd.	protective concrete	20.00	21.00	22.00
800 cu.yd.	rubble stone masonry	8.00	15.00	12.00
100 cu.yd.	dry rubble masonry	6.00	15.00	10.00
120 cu.yd.	brick masonry	30.00	40.00	40.00
30 cu.yd	hollow terra cotta	35.00	40.00	45.00
100 bbl.	Portland cement grout	6.00	10.00	8.00
400 sq.yd.	plastering on hollow tile	1.20	2.50	2.00
20 cu.yd.	broken stone or gravel	6.00	7.00	5.00
8,400 sq.yd.	waterproofing treated fabric (a) 1 ply	1.25	1.00	1.30
12,900 sq.yd.	(c) 3 ply	2.50	2.50	2.20
4,400 sq.yd.	(e) 5 ply	3.50	3.70	4.00
13,500 sq.yd.	(f) 6 ply	4.00	4.20	5.00
100 sq.yd.	(i) dry	1.00	1.00	1.00
600 cu.yd.	waterproofing brick in mastic (a) 1 layer	60.00	50.00	55.00
50 cu.yd.	(b) 2 layer	40.00	50.00	50.00
700 lin.ft.	cast iron pipe and fittings (a) 3 in.	1.50	1.50	1.50
300 lin.ft.	(b) 4 in.	1.75	2.00	2.00
500 lin.ft.	(c) 6 in.	2.00	3.00	3.00
3,000 lin.ft.	(d) 8 in.	3.00	3.50	4.00
250 lin.ft.	(e) 10 in.	4.00	5.00	6.00
100 lin.ft.	standard galvanized steel pipe (a) 3 in	1.50	2.00	2.00
400 lin.ft.	(b) 4 in.	1.75	3.00	2.00
100 lin.ft.	(c) 6 in.	2.50	4.00	4.00
15 lin.ft.	(d) 8 in.	3.00	5.00	10.00
50 lin.ft.	(e) 10 in.	3.50	6.00	10.00
203,600	duct ft. tunnel ducts	.30	.30	.26
1,500	conduit ft. 3 in. fibre conduits	.50	.40	.40
1,290 ton	riveted steel	132.00	120.00	115.00
30	wrought iron tree guards	30.00	50.00	75.00
5 ton	architectural iron and steel	300.00	400.00	425.00
1,250 sq.ft.	steel doors	7.00	7.00	5.00
2	emergency exit covers	600.00	750.00	500.00
2,250 ton	steel beams and shapes	132.00	120.00	115.00
195 ton	steel rods and bars in concrete	110.00	100.00	100.00
25 ton	miscellaneous iron castings	150.00	325.00	200.00
2,600 lb.	special wire forms in place	.20	.50	.30

	A	B	C
10,880 lin.ft. oak or ash hand rail	.75	1.00	.75
5,400 sq.ft. steel gratings for ventilation (a) horizontal	3.00	3.50	3.50
450 sq.ft. (b) vertical	2.50	3.50	2.00
4,530 sq.yd. street surface restored (a) within curb	2.75	3.50	4.00
7,600 sq.yd. (e) asphalt	4.50	6.00	5.00
2,430 sq.yd. (ff) Belgian block	7.00	3.00	6.00
100 lin.ft. (i) 6 in. B.S. curb	2.00	3.00	3.00
100 lin.ft. (k) 8 in. granite curb	3.50	6.00	5.00
200 sq.yd. 3 in. finished concrete walls and slabs	2.00	4.00	4.50
1,000 sq.yd. park surface restored	1.50	3.00	3.00
4,000 lin.ft. steel electric conduits (a) 2 in. at station	.50	.25	.60
50 lin.ft. (b) 1½ in. at station	1.00	.50	1.00
3,300 lin.ft. (d) 1 in. at station	.75	.30	.60
10 lin.ft. (g) 2½ in. at station	2.00	1.00	2.50
410 4 x 4 x 3 in. c.i. outlet boxes at stations	2.00	2.00	2.40
10 cast iron pull boxes (a) 6 x 6 x 4 in.	4.00	5.00	11.00
1 (b) 6 x 12 x 3 in.	6.00	10.00	15.00
115 lin.ft. cast iron pipe and fittings (a) 6 in. extra heavy	2.50	3.00	4.00
30 lin.ft. (b) 3 in. extra heavy	1.50	1.50	4.00
10 lin.ft. (c) 4 in. extra heavy	2.00	2.00	4.00
100 lin.ft. (f) 8 in. extra heavy	4.00	3.50	5.00
100 lin.ft. vitrified pipe sewer 12 in.	3.00	5.00	8.00
100 lin.ft. 15 in.	4.00	6.00	8.00
100 lin.ft. 18 in.	5.00	9.00	10.00
300 lin.ft. 24 in.	7.50	13.00	11.00
7 ton cast iron sewer pipe (straight pipe)	100.00	120.00	175.00
2 ton cast iron sewer pipe (special castings)	150.00	220.00	275.00
750 lin.ft. flat top reinforced concrete sewer (a) 3 ft. 6 in. x 2 ft. 4 in.	15.00	20.00	15.00
750 lin.ft. (e) 4 ft. x 2 ft. 6 in.	20.00	22.00	20.00
120 lin.ft. (l) 4 ft. 9 in. x 4 ft. 3 in.	30.00	25.00	40.00
50 lin.ft. (a) 4 ft. 3 in. x 2 ft. 8 in.	20.00	23.00	40.00
200 lin.ft. (c) 3 ft. 6 in. x 3 ft. 2 in.	16.00	22.50	20.00
4,600 lin.ft. electric underground trolley	1.50	1.00	2.00
100 lin.ft. water pipe in streets 6 in.	2.00	3.00	4.00
100 lin.ft. 12 in.	3.00	4.00	5.00
100 lin.ft. 20 in.	4.50	8.00	10.00
100 lin.ft. 30 in.	6.00	15.00	15.00
500 lin.ft. 36 in.	8.00	18.00	15.00
300 lin.ft. 48 in.	10.00	28.00	18.00
5 service connections	15.00	60.00	50.00
Reconstructing 96 in. aqueduct (lump sum)	6,500.00	27,460.00	25,000.00
100 lin.ft. cast iron and steel gas pipe 6 in.	1.50	3.00	3.50
100 lin.ft. 10 in.	2.50	4.00	6.00
100 lin.ft. 20 in.	5.00	8.00	12.00
4,110 lin.ft. steel by-passing pipe (c) 10 in.	9.00	13.00	11.00
3,200 lin.ft. (f) 20 in.	15.00	16.00	12.00
240 lin.ft. (b) 16 in overhead	15.00	20.00	16.00
170 lin.ft. (i) cable susp.	15.00	15.00	12.00
5 service connections gas pipe	20.00	50.00	50.00
150 ton c.i. hub and spigot pipe in place	70.00	90.00	115.00
50 ton special castings	150.00	200.00	230.00
33,200 duct. ft. vitrified clay electric ducts	.50	.40	.38
100 lin.ft. steel pipe electric ducts (a) 2½ in.	1.00	1.50	2.25
100 lin.ft. (b) 3 in.	1.25	2.00	2.50
100 lin.ft. (c) 3½ in.	1.50	2.50	3.00
100 lin.ft. (d) 4 in.	1.75	3.00	3.50
100 lin.ft. (n) 2 in.	.75	1.25	2.00
10 service connections for electric ducts	50.00	60.00	70.00
100 lin.ft. wooden electric ducts and conduits	1.00	.50	1.00
100 lin.ft. fibre electric ducts and conduits 3 in.	.50	.50	1.00
2 service boxes on relocated ducts	50.00	250.00	250.00
Extended totals	$3,997,749	$4,185,145	$4,309,501

Buildings—Industrial (Continued)

rein.-con., brick and steel. To exceed $40,000.

Conn., Meriden—BAKERY and POWER HOUSE, etc.—Connecticut School for Boys, c/o Superintendent receiving competitive plans until Oct. 24, brick and steel bakery, power house, laundry and kitchen building. $120,000.

N. Y., Long Island City — PLANT — Veibar Realty Corp., c/o Ballinger Co., archts. and engrs., 100 East 42nd St., New York City, having plans prepared 4 story, 100 x 118 ft., brick and steel, plain foundation, 5th Ave.

Ga., Lavonia — PLANT — Lavonia Mfg. Co. having plans prepared by J. E. Sirrine & Co., 309 South Main St., Greenville, S. C., 1 story, 50 x 66 ft. rye house, two 50 x 100 ft. compartments for warehouse, also improving present building.

S. C., Greenville—PLUSH MILL—Piedmont Plush Mills, having plans prepared by J. E. Sirrine & Co., 309 South Main St., 1 story, 90 x 181 ft. (ultimately 225 ft.) brick and steel mill, incl. dye house and boiler room. $225,000.

Ga., Savannah—ICE PLANT—Georgia Ice Co., 431 Harmon St., A. M. Dixon, pres., plans 60 ton ice plant addition.

Ala., Bessemer—FACTORY—J. O. Heinze Cultivator & Tractor Co., plans factory.

O., Willard—FACTORY—W. C. Miller, having plans prepared by Austin Co., 16112 Euclid Ave., Cleveland, archts., 2 story brick and steel factory. $50,000.

Mich., Grand Rapids — VARNISH FACTORY — Grand Rapids Varnish Co., 567 Godfrey St. S. W., having plans prepared by H. L. Mead, Grand Rapids, 2 story and basement, 56 x 100 ft., rein.-con., brick, steel and stone factory. $75,000.

Ill., Granite City—BLAST FURNACE and POWER PLANT—St. Louis Coke & Iron Co., 117 North 4th St., St. Louis, Mo., plans new power plant and blast furnace addition to plant, here. $2,000,000.

Minn., Minneapolis—BAKERY—Crispette Co., c/o Laramee & String, 251 McKnight Bldg., having plans prepared by Magney & Tusler, 126 South 9th St., 2 story and basement, rein.-con. and brick, Southeast Industrial Dist. $125,000.

Minn., Minneapolis—MANUFACTURING—Laramee & Strong, 251 McKnight Bldg., plans 2 story, rein.-con. and brick, 28th St. and University Ave. S. E. $150,000. Engineer and architect not announced.

Kan., Arkansas City—SUB-STATION—Kansas Gas & Electric Co., 201 North Market St., Wichita, plans power substation, here. $80,000. C. B. Tingley, Wichita, dist. mgr.

Mo., Puxico—POWER PLANT, etc.—Puxico Flour Mills plans power plant and ice plant, also waterworks system. $150,000.

Tex., Corpus Christi—ICE and COLD STORAGE PLANT—Middle West Utilities Co., c/o E. H. Eldridge, local mgr., plans ice and cold storage plant, 60-ton capacity, $125,000. Engineer and architect not selected.

Tex., Cuero—TEXTILE MILL—Owner, c/o F. M. Keller, pres. Belton Yarn Mills, Belton, plans textile mill, here. $45,000. Engineer and architect not selected.

Wash., Longview—MILLS—Weyerhauser Timber Co., Tacoma Bldg., Tacoma, plans 3 lumber mills on 700 acre site, here.

Calif., Fruitvale — FACTORY — J. W. Plachek, archt., Mercantile Bank Bldg., Berkeley, soon lets contract 2 story, concrete factory, 900 High St., here, for Pacific Spring Co. $50,000.

Calif., Hollister — WAREHOUSE — California Co-operative Canneries, plans 200 x 200 ft. concrete warehouse, etc. addition. $100,000.

Calif., San Francisco—PLANT—Electric Storage Battery Co., 671 North Broad St., Phila., Pa., plans assembling, shipping plant and warehouse, 3rd St. north of Paul Ave., here. $200,000.

Que., Three Rivers—PAPER MILL—St. Maurice Paper Co., Montreal, having plans prepared by G. Ferguson, 504 West 53rd St., New York City, for paper mill, here. $6,000,000.

BIDS DESIRED

Mass., Roxbury (Boston P. O.)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

N. J., Edgewater—FACTORY—Sept. 15, by Lockwood, Greene & Co., engrs., 400 North Michigan Blvd., Chicago, Ill., 1 story, 82 x 120 ft., brick and steel factory, plain foundation, here, for Palmolive Co., 42 4th St., Milwaukee, Wis., and 360 North Michigan Blvd., Chicago, Ill. $200,000.

Pa., Phila.—POWER HOUSE and LAUNDRY—See "Buildings—Commercial."

Ark., Fayetteville — LAUNDRY — See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Jamaica Plain (Boston P. O.)—PLANT—Haffenreffer Co., Germain St., 1 story, 102 x 146 ft., brick and steel hopper building addition, to J. M. and J. C. Buckley, 164 Federal St., Boston. Archts. est. $40,000.

Mass., Malden (Boston P. O.)—PLANT—Boston Rubber Shoe Co., 130 Essex St., Boston, 3 story, brick and timber, Commercial St., here, to Central Eng. & Constr. Co., 210 Main St., Pawtucket, R. I. Archts. est. $50,000. Noted July 30.

Mass., Roxbury (Boston P. O.)—PRINTING PLANT—Oliver Ditson Co., 179 Tremont St., Boston, altering and constructing 5 story, rein.-con., brick and steel addition, Newton and Terrace Sts., here, to J. F. Fitzgerald Constr. Co., Old South Bldg., Boston. Archts. est. $40,000.

Mass., Roxbury (Boston P. O.)—REPAIR SERVICE GARAGE and BOILER ROOM—M. N. Tracy, c/o Kennedy & Olmstead, archts., 80 Boylston St., Boston, will build 1 story, rein.-con., Lambert Ave., here, by day labor. Archts. est. $40,000.

Mass., Worcester — GARAGE — C. D. Parker & Co., 150 Congress St., Boston, 2 story, rein.-con. and steel, Myrtle and Burnside Sts., to Fred T. Ley Co., 230 Boylston St., Boston. Archts. est. $160,000. Y. D. Service Garage Inc., c/o owner, lessee. Noted July 16.

Mass., Worcester — FACTORY — Bellsle Printing & Publishing Co., 17 Federal St., 2 story, 55 x 60 ft., brick and stone, Salem and Myrtle Sts., to L. Rocheford & Son, 44 Front St. Archts. est. $40,000.

N. J., Vineland—FACTORY — Kimball Glass Co., 3 story and basement, 90 x 100 ft., rein.-con. and brick, plain foundation, to W. P. Cameron Eng. Co., Witherspoon Bldg., Phila., Pa. Archts. est. $70,000.

Pa., Phila.—FACTORY—Consolidated Cigar Co., 11th and Wharton Sts., 5 story and basement, 64 x 71 ft., rein.-con., brick and steel addition, plain foundation, 11th and Wharton Sts., to J. N. Gill Constr. Co., City Center Bldg. Archts. est. $100,000.

Pa., Tarentum— WAREHOUSE — C. L. Flaccus Glass Co., 2nd Ave., general contract 1 story, 70 x 120 ft. warehouse, to Cuthbert Bros., Bessemer Bldg., Pittsburgh.

W. Va., Huntington—PRINTING PLANT—Huntington Herall Dispatch, 4 story and basement, 60 x 2.5 ft., rein.-con. and steel, 5th Ave. and 9th St., to C. W. Hancock & Sons, Lynchburg. Archts. est. $150,000.

N. C., Charlotte—SILK MILL—Veritas Silk Mills Co., 509 30th St., New Brunswick, 1 story, 80 x 100 ft., Charles St., to J. A. Jones Constr. Co., Realty Bldg., approximately $50,000.

O., Cleveland—BOILER HOUSE—Amer. Steel & Wire Co., J. N. Fleming, purch. agt., Rockefeller Bldg., concrete work for 1 story and basement, 106 x 140 ft., boiler house, along Cuyahoga River, to Dravo Contg. Co., Pittsburgh, Pa., Archts. est. $300,000. Noted July 2.

O., Cleveland—FACTORY—Bender Body Co., c/o T. Kundtz, Jr., 6409 Barberton Ave., 1 story and basement, 150 x 360 ft., brick and steel addition, to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Archts. est. $150,000. Noted Oct. 2, 1924.

O., Cleveland — FACTORY — Cleveland Toilet Supply Co., A. P. Shupe, secy., 2139 East 18th St., 2 story and basement, 70 x 125 ft., brick, steel and concrete, to L. Dantel & Son Co., 5710 Hough Ave. Archts. est. $50,000.

O., Cleveland—FACTORY—Draper Mfg. Co., C. T. Draper, pres., East 91st St. and Crane Ave., 1 story, 100 x 111 ft., brick and steel addition, to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $60,000.

Mich., Jackson—FACTORY — Morrison Metal Stamping Co., 1 story, 118 x 150 ft., brick and steel factory, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $75,000.

Ill., Chicago—FACTORY—General Etching Co., 312 South Hamilton Ave., general contract 1 story, 135 x 260 ft., 3070-3082

Buildings—Industrial (Continued)

West Grand Ave., to Holton Seelye Co., 204 South Dearborn St.

Ill., Chicago—SILK MILL—Oscar Heineman Corp., 2701 Armitage Ave., 4 story and basement, 126 x 129 ft., rein.-con., North Washtenaw Ave. near Armitage Ave., to R. C. Wieboldt Co., 1534 West Van Buren St. Archts. est. to exceed $300,000.

Ill., Chicago—FACTORY—Victor Mfg. & Gasket Co., 5750 West Roosevelt Rd., general contract 3 story, 101 x 158 ft., 1101 South Menard Ave., to Schmidt Bros. Constr. Co., 22 East Huron St. Archts. total est. $125,000.

Ill., Rockford—PLANT—Barber-Colman Co., River and Loomis Sts., 2 story, 80 x 130 ft., tool manufacturing plant, rein.-con. and steel, to Holm-Page Co., 2117 Kishwaukee St. Archts. est. $40,000.

Ark., Fayetteville—LAUNDRY—Vickers Cleaning & Dyeing Co., R. Vickers, pres., will build 1 story, 150 x 166 ft., concrete and brick addition, Dickson and School Sts. Work will be done by separate contracts. Archts. est. $65,000.

Tex., New Braunfels — ELECTRIC PLANT — Comal Power Co., c/o W. B. Tuttle, pres., Terrel Rd., San Antonio, general contract rein.-con., brick and steel, 30,000 kw. capacity, to U. G. I. Contg. Co., Broad and Arch Sts., Phila., Pa.; turbines, to Westinghouse Mfg. & Electric Co., East Pittsburgh, Pa., boilers, to Babcock-Wilcox Co., 85 Liberty St., New York City. Approximately $3,000,000. Noted Aug. 27.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—WAREHOUSE and GARAGE—Morgans, Inc., 755 Washington St., plans 6 story, brick, 1022 Massachusetts Ave. $150,000 or more. Engineer and architect not selected.

Mass., Springfield—HOTEL—A. Freedman, 214 Belmont Ave., having plans prepared by J. W. Foster, 105 Bridge St., 6 story and basement, 43 x 56 x 116 ft., brick, steel and rein.-con. hotel. To exceed $150,000.

Conn., Hartford — BUSINESS — Owner, c/o H. H. Hunt, 50 State St., plans business building, State St., $150,000 or more. Engineer and architect not selected.

Conn., Norwich—HOSPITAL—State, F. M. Salmon, comptroller, State House, Hartford, receiving competitive plans until Sept. 28, 3 brick and timber buildings, incl. patients' ward, employers and administration building, at Tuberculosis Hospital, here. $125,000-$150,000. Engineer and architect not selected. Noted July 16.

Conn., Storrs—DORMITORY—Storrs Agriculture College, F. M. Salmon, state comptroller, State House, Hartford, having plans prepared by D. K. Perry, 17 Court St., New Britain, 3 story, 30 x 154 ft. men's dormitory with two 28 x 54 ft. ells, brick and steel, $158,000. Noted July 9.

N. Y., New York—APARTMENT—Kinser Realty Corp., c/o C. Kreymborg & Son, archts. and engrs., 2534 Marion Ave., having plans prepared 6 story, brick, stone and steel, Freeman St. $175,000.

N. Y., New York—APARTMENT—Naples Holding Corp., c/o S. V. Becker, archt. and engr., 1301 Boston Rd., having plans prepared 5 story, 90 x 140 ft., brick and steel, plain foundation, Kingsbridge Ave. $300,000.

N. Y., New York — APARTMENT — J. Weroff Building Corp., c/o S. V. Becker, archt. and engr., 1301 Boston Rd., having plans prepared 6 story 96 x 100 ft., brick, stone, and steel, plain foundation, Union Ave. and 156th St. $200,000.

N. Y., New York — APARTMENT — M. Dwight, c/o J. C. Mackenzie, Jr., archt. and engr., 4 East 39th St., having plans prepared 6 story, brick, steel and stone, plain foundation, East 105th St.

N. Y., New York—BANK and OFFICE—Seamans Bank for Savings, 76 Wall St., soon takes bids 13 story, 90 x 140 ft., brick, steel and stone, plain foundation, Wall and Pearl Sts. $2,000,000. B. W. Morris, 101 Park Ave., archt. and engr. This corrects report in Aug. 13 issue.

N. Y., New York—OFFICE—Griggs, Baldwin & Baldwin, 27 Pine St., plans 15 story, 100 x 200 ft., brick, steel and stone, plain foundation, Lexington Ave. and 27th St.

N. Y., New York—OFFICE and SHOW ROOM—Packard Motor Car Co., Bway. and 61st St., plans brick, steel and stone, plain foundation, Bway. and Sherman Ave. $150,000. Engineer and architect not selected.

N. Y., New York—THEATRE—W. Fox, 10th Ave. and 50th St., plans theatre East Tremont Ave. $1,500,000. Private plans.

Pa., Media—JAIL—Delaware Co. plans jail, near here. $300,000. Engineer and architect not selected.

Pa., Phila.—APARTMENT—Owner, c/o I. Stern, Flanders Bldg., plans 10 story and basement, 110 x 150 ft., 18th and Rittenhouse Sts.

Pa., Phila.—OFFICE—Stroud & Co., c/o E. B. Robinette, 1429 Walnut St., plans 8 story and basement, 25 x 170 ft. office, 1508 Walnut St.

Md., Baltimore—APARTMENT—M. Stein, 9 North Liberty St., postponed until Spring, construction 8 story and basement hotel, Lake Dr. and Eutaw Pl. $350,000. Noted June 25.

N. C., Greensboro—HOTEL—Greensboro Bank & Trust Co., plans 17 story and basement hotel. $900,000.

Tenn., Memphis—HOSPITAL—Memphis Eye, Ear, Nose & Throat Hospital, C. J. Haase, 152 Madison St., pres., having tentative plans prepared by Jones & Furbringer, Porter Bldg., 3 story and basement, rein.-con. and brick, Madison Ave. and Somerville St. $200,000.

Ky., Louisville — APARTMENT—George & Zimmerman, archts., Meyer-Kiser Bank Bldg., Indianapolis, Ind., preparing plans 3 story and basement, concrete apartment, here. $150,000. Owner's name withheld.

O., Akron—AUTO SALES and SERVICE Mankin-Ferris Co., c/o Studebaker Agency, 422 West Exchange St., had plans prepared by F. W. Striebinger, 1900 Euclid Bldg., Cleveland, 3 story and basement, 76 x 130 ft., brick, steel and concrete, West Market St. $150,000.

O., Cincinnati—APARTMENT — Ludlow Realty Co., Provident Bank Bldg., having plans prepared by O. Schwartz, Provident Bank Bldg., 3 story and basement, rein.-con. and brick, plain foundation, Ludlow St. $500,000.

O., Cincinnati—HOSPITAL—University of Cincinnati, Clifton Ave., having plans prepared by S. Hannaford & Sons, Dixie Terminal Bldg., 9 story and basement, rein.-con., and brick, plain foundation, Eden Ave. $400,000.

O., Cleveland—FIRE STATIONS—Dept. Pub. Safety, E. D. Barry, dir., City Hall election Nov. 3, $250,000 bonds, brick, steel and concrete fire stations. H. Kregelius, City Hall, engr.

O., Cleveland—HOUSE of CORRECTION, etc.—City, F. S. Harmon, dir. Pub. Welfare, City Hall, plans 1 and 3 story women's building at Correction Farm, $415,000, and tuberculosis pavilion $108,000 on Warrensville St. H. Kregelius, City Hall, archt.

O., Cleveland—SERVICE—City, F. S. Harmon, dir. Pub. Welfare, City Hall, plans 2 story, brick, steel and concrete, service building at city hospital, Scranton Rd. $150,000. H. Kregelius, City Hall, archt.

O., Lorain—HOSPITAL—St. Joseph Hospital, having plans prepared by P. Rissman, 538 Bway., 4 story and basement, brick, steel and concrete addition. $200,000.

Mich., Detroit—APARTMENT—Weinberg & Gothold, archts., 401 Congress Bldg., preparing plans 4 story and basement, 94 x 130 ft., brick, steel and concrete, East Jefferson Ave., $250,000. Owner's name withheld.

Mich., Detroit—APARTMENT—T. C. Hughes, archt., 2615 Joy Rd., preparing plans 4 story and basement, 80 x 100 ft., brick and steel, East Grand Blvd. $175,000. Owner's name withheld.

Mich., Detroit—HOTEL—J. J. Barlum, 206 East Grand River Ave., having plans prepared by Bonnah & Cahfee, 300 Barlum Bldg., 20 story and basement, 100 x 120 ft., brick, steel and rein.-con., Cadillac Sq. $2,500,000.

Mich., Iron Mountain—CLUB—Knights of Columbus, A. Miench, chn. Building Com., soon takes bids 3 story and basement, 52 x 134 ft., brick and concrete club house and business building, plain foundation. $150,000. J. W. Smith, Iron Mountain, archt.

Ill., Chicago—HOSPITAL, etc.—Cook Co. having plans prepared by Hall, Lawrence, Rippel & Ratcliffe, 123 West Madison St., hospital additions, incl. 8 story, children's hospital, 7 story, Men's Ward, 3 story receiving building, etc.

Ill., Chicago—JAIL and COURT BUILDINGS—Cook Co. having plans prepared by E. E. Hall, 123 West Madison St., jail and criminal court buildings, West 26th St. and California Ave. $2,500,000.

Ill., Chicago—OFFICE—Standard Oil Co. of Indiana, 910 South Michigan Blvd., having plans prepared by Graham, Anderson, Probst & White, 80 East Jackson St., 7 story, 134 x 231 ft., rein.-con., brick and steel addition, 910 South Michigan Blvd. $2,000,000.

Ill., Chicago—OFFICE—J. Morton, 80 East Jackson St., having plans prepared by Graham, Anderson, Probst & White, 80 East Jackson St., 18 story and basement, 100 x 182 ft., probably rein.-con. and steel, Wells and Washington Sts.

Kan., Dodge City — HOSPITAL — Protestant Hospital Assn., had revised plans prepared by Mann & Co., 722 Rorabaugh-Wiley Bldg., 3 story and basement, 25[illegible] ft., rein.-con., brick and stone hospital, $150,000. Noted Jan. 1.

Mo., Farmington—COURT HOUSE—St. Francis Co. voted $259,000 bonds, for court house.

Tex., Brownsville—HOTEL—Kellwood Co., archts., 906 Travis Bldg., San Antonio, soon takes new bids 6 story and basement, 150 x 200 ft., rein.-con. and brick, tourist hotel, here, for L. B. Jones & A. D. Dickinson. $400,000. Former bids rejected. Noted Aug. 20.

Tex., San Antonio—HOTEL—T. B. Baker Hotels, c/o T. B. Baker, Gunter Hotel, had plans prepared by H. S. Green, archt. and engr., Alamo Natl. Bank Bldg., 4 story, rein.-con., brick and stone addition to Gunter Hotel, plain foundation, St. Mary's St., between Houston and Travis Sts. $1,500,000.

Tex., San Antonio—OFFICE—T. B. Baker and associates, c/o Gunter Hotel, having plans prepared by H. S. Green, Alamo Natl. Bank Bldg., 15 story and basement, rein.-con., brick and stone, plain foundation, Jefferson St., between Houston and Travis Sts. $2,000,000.

Tex., San Angelo—TEMPLE—Masonic Temple 570, c/o J. A. Thomas, worshipful master, plans brick, stone and rein.-con. temple. $150,000. Engineer and architect not selected.

Tex., San Benito—HOTEL—H. J. Pickney, c/o Cliff Hotel, 204 East Jefferson St., Dallas, plans 50 or 60 room, brick, stone and rein.-con. hotel, here. $150,000. Engineer and architect not selected.

Okla., Alva — HOTEL — Alva Hotel Co. had plans prepared by U. G. Charles & Co., 601 Schwieter Bldg., Wichita, Kan., and soon takes bids 6 story and basement, 75 x 75 ft., plain foundation, Main St. $165,000.

Okla., Oklahoma City — HOSPITAL — A. L. Blesh, 301 West 12th St., having preliminary plans prepared by M. Moore, 330 East 10th St., doctors' clinic in connection with Wesley Hospital, 3 story and basement, 125 x 140 ft., rein.-con. and brick, plain foundation, 12th St. $250,000.

Okla., Ponca City—THEATRE—G. H. Brett, having plans prepared by Smith & Senter, Okmulgee, 3 story and basement, 60 x 140 ft. rein.-con., plain foundation. Grand St. $160,000.

Okla., Ponca City—THEATRE, STORE and OFFICE—E. Wetzel et al, having preliminary plans prepared by Smith & Senter, Okmulgee, 2 story and basement, 60 x 100 ft., and 55 x 65 ft., rein.-con., brick and stone, plain foundation, Grand Ave. $150,000. Noted Aug. 27.

Ariz., Tucson—HOTEL—Tucson Tourists Hotel Co., 52 East Congress St., having plans prepared by H. O. Jaasted, North Stone Ave., 40 room main and eight 5 room buildings. $300,000. Noted Apr. 30.

Calif., Fresno—COURT HOUSE—Election Oct. 6, $350,000 bonds, additions to courthouse.

Calif., Hillsborough—TOWN HALL, etc.—Plans election $60,000 bonds for town hall, fire stations, jail, etc.

Calif., Los Angeles—HOSPITAL—Hospital of Good Samaritan, 1243 Wilshire Blvd., having plans prepared by R. D. Johnson, 608 Union Bank Bldg., 10 story and basement, rein.-con. Shatto St. near Witmer St. $1,000,000.

Calif., San Diego—DEPOT, HOTEL, etc.—Pickwick Corp., having preliminary plans prepared by O'Brien Bros., 315 Montgomery St., San Francisco, 7 story, rein.-con. depot, hotel and store building. $600,000.

Calif., Santa Barbara—COURT HOUSE—Supervs. Santa Barbara Co., election Nov. 10, $1,000,000 bonds, courthouse and rebuilding hospital. Noted July 23.

Ont., London—HOTEL—Lynch Constr. Co. (owners and archts.), plans 100 East 42nd St., New York City, N. Y., 6 and 8 story, 250 x 350 ft., brick and steel hotel, Wellington St. $1,000,000.

BIDS DESIRED

N. H., Manchester — OFFICE — H. N. Bond, 913 Elm St., taking bids 5 story and basement, 50 x 100 ft., brick and stone, Elm and Concord Sts. To exceed $150,000 C. R. Whitcher, 814 Elm St., archt.

Mass., Boston—HOME—Old Peoples Home, M. Morse, chn. Hotel Avery, taking bids 3 story and basement, 70 x 90 ft. home, two 30 x 90 ft. dormitories and heating plant, rein.-con. and brick, plain foundation, King, Queen and Train Sts. $500,000. Krokyn, Browne & Rosenstein, 220 Devonshire St., archts. Noted July 2.

Mass., Brookline (Boston P. O.) — APARTMENT — Pelham Hall, Inc., c/o A. H. Bowditch, archt., 44 Bromfield St., Boston, taking bids 8 story and basement, 128 x 190 ft., brick, stone and steel, Beacon and Pleasant Sts. To exceed $150,000.

Buildings—Commercial (Continued)

Mass., Cambridge (Boston P. O.)—STORE—S. Berenson, Old South Bldg., Boston, taking bids 5 story and basement, 50 x 128 ft., rein.-con., brick and stone, Trowbridge St., here. $200,000. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts.

Mass., Hyde Park (Ind. sta. Boston)—BANK — Hyde Park Co-Operative Bank, Everett Sq., taking bids 2 story and basement, 45 x 75 ft., rein.-con., brick and steel, Everett Sq. $150,000. O. A. Thayer, 89 Franklin St., Boston, archt. Noted Sept. 3.

Mass., Worcester—HOSPITAL — Memorial Hospital, Belmont St., taking bids 4 story and basement nurses' home, and 1 story hospital addition, brick. To exceed $150,000. Fuller & Delano Co., 44 Front St., archts. Kendall, Taylor & Co., 142 Berkley St., Boston, associated archts. Noted May 21.

Mass., Worcester—HOSPITAL—Sept. 15, by W. A. Merrill, bus. agt. Dept. Mental Diseases, State House, Boston, 1 story and basement, 40 x 80 x 96 x 150 ft., brick and stone congregate dining room, here. Worcester State Hospital, here, $150,000, also separate bids heating and ventilating in same, $25,000, C. P. Hoyt, 8 Beacon St., Boston, archt.

R. I., Providence — HOSPITAL — Rhode Island Hospital, 593 Eddy St., taking bids 3 story and basement, rein.-con. and brick wing addition. To exceed $150,000. Clarke & Howe, Turks Head Bldg., archts. Noted Feb. 19.

Conn., New London—BUSINESS and THEATRE—A. W. Johnson, archt., 70 East 45th St., New York City, taking bids 4 story, brick and steel, State St. for A. S. Friend, c/o architect. $300,000-$350,000. Noted Aug. 20.

N. Y., Marcy—HOSPITAL—Sept. 23, by State Hospital Comn., Albany, construction and marble slab work in buildings for acute and chronic patients, at Utica State Hospital, Marcy Div., here. Adv. E. N.-R. Sept. 10.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—LOFT—See "Contracts Awarded."

N. Y., Utica—HOSPITAL—Sept. 16, by State Hospital Comn., Albany, for construction, fire protection and exit facilities for Utica State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Sept. 10.

N. J., Skillman—NURSES' HOME, etc.—Sept. 15 (extended date) by Bureau Institutions & Agencies, Trenton, staff house, nurses' home, doctors' cottage, etc., here. $150,000. A. B. Mills, State Office Bldg., Trenton, archt.

Pa., Phila.—HOSPITAL—Sept. 14, by A. W. Barnes, archt., Perry Bldg., 3 story and basement, 36 x 103 ft. nurses' home, 3 story and basement, 36 x 70 ft. dispensary, 2 story and basement, 36 x 42 ft. hospital, also 1 story and basement, 34 x 63 ft. power house and laundry, all rein.-con., brick and steel, plain foundation, 8th, Franklin and Thompson Sts., for Children's Homeopathic Hospital.

Ala., Mobile—THEATRE—Sept. 24, by E. Weil, archt., Whitney Bank Bldg., New Orleans, La., 1 story and balcony, 3,500 seating capacity, rein.-con. and steel Joachim St. between Conti and Dauphine Sts., here, for Saenger Amusement Co. $750,000. Noted Sept. 3.

O., Cleveland Heights (Warrensville P. O.)—APARTMENT—Cedar-Glen Co., c/o S. H. White, archt., 1032 Schofield Bldg., taking bids 3 story and basement, brick, steel and concrete, Cedar and Ambleside Aves. $500,000.

Ill., Chicago—GARAGE—Sept. 15, by H. L. Newhouse, archt., 4623 Drexel Ave., 8 story and basement, rein.-con., Wells and South Water Sts., for Uhlman & Eichengreen, 171 West South Water St.

Neb., Grand Island—APARTMENT—See "Contracts Awarded."

Tex., Corsicana—JAIL—Sept. 18, by Southern Steel Co., archts., 4500 Blk. S. Presa, San Antonio, 3 story, brick, stone and rein.-con., here, for Navarro Co., c/o W. Hicks, judge. $150,000.

Calif., Long Beach—HOTEL—F. B. Dunn, 2315 East 7th St., Los Angeles, taking bids 12 story, 125 x 232 ft., brick and terra cotta, Ocean Ave. between Locust St. and Collins Way. $1,000,000. Walker & Eisen, 701 Great Republic Life Bldg., Los Angeles, archts. Noted June 25.

Calif., Sacramento — AUDITORIUM — Sept. 17, by City Council municipal auditorium. $750,000. J. S. Dean, State Life Bldg., archt.

B. C., Vancouver—HOSPITAL—Sept. 18, by City Council, 3 story 40 x 220 ft., rein.-con. hospital, plain foundation. $250,000. A. J. Bird, city building inspector. Noted Jan. 1.

BIDS RECEIVED

R. I., Newport—CITY HALL—City, Town Clerk's Office, 3 story and basement, brick and steel, plain foundation, Bway., from Greany & Sherry, Fall River Natl. Bank Bldg., Fall River, $227,840. Noted Aug. 27.

CONTRACTS AWARDED

Mass., Allston (Boston P. O.)—STORE—M. Dana, 20 Pemberton Sq., 2 story and basement, 90 x 100 ft., brick and stone, plain foundation, Harvard Ave., to J. Imhoff, 51 Chestnut Ave., Jamaica Plain. Archts. est. $150,000. Noted Aug. 27.

Mass., Boston—HOSPITAL—Bd. Trustees Boston Sanitorium, City Hall, 5 story and basement, 65 x 75 ft., out patient building, brick and stone, 57-61 Concord St., to J. B. Dolan, 43 Tremont St., $173,440. Noted Sept. 3.

Mass., Boston—HOTEL—Hotel Kenmore, 496 Commonwealth Ave., will alter and construct 9 story and basement, brick and steel addition, by day labor. $150,000 or more. Private plans.

Mass., Brookline (Boston P. O.)—WAREHOUSE—S. S. Pierce Co., 69 Tremont St., Boston, 6 story and basement, 110 x 375 ft., brick, Brookline and Burlington Aves., to M. C. Tuttle Co., Park Sq. Bldg., Boston. Archts. est. to exceed $150,000.

Mass., Northampton—HOSPITAL—W. A. Merrill, bus. agt. Dept. Mental Diseases, State House, Boston, 2 story and basement, brick ward building, at Northampton State Hospital, here, to LaFrance Constr. Co., 292 Maple St., Holyoke, $109,997. Noted Aug. 27.

Mass., Quincy (Boston P. O.) — HOSPITAL — City, P. E. Barbour, mayor, 3 story, 40 x 160 ft., brick and steel, to Curtis & Swift, Inc., 38 Kilby St., Boston, $116,261. Archts. est. $150,000. Noted Sept. 3.

Conn., Middletown—THEATRE—S. and S. Corp., 49 Rappallo Ave., 2 story and basement, 60 x 150 ft., brick and steel, Main St., to Tracy Bros. Co., 52 Benedict St., Waterbury. Archts. est. $150,000. Noted July 30.

N. Y., Coney Island (Brooklyn P. O.)—HOTEL—Amer. Hotel Co., 25 West 45th St., New York City, 17 story, brick, steel and stone, plain foundation, Boardwalk and 29th St., here, to Cauldwell-Wingate, 381 4th Ave., New York City. Noted June 25.

N. Y., Creedmoor (Jamaica P. O.)—HOSPITAL—State Hospital Comn., Albany, constructing Hospital Buildings A, B, C, H, I, K, L, M, N, T, X, Y, EE, FF, HH, etc., to De Riso Bros., Inc., 52 East 42nd St., New York City, $3,287,990; heating, to Gillis & Geohegan, 537 West Bway., New York City, $388,800; refrigeration, to Carbondale New York Co., Carbondale, $62,259. Noted June 18.

N. Y., New York — APARTMENT — J. Tishman & Sons, Inc., 280 Madison Ave., will build 14 story, 55 x 102 ft., brick, steel and stone, plain foundation, Park Ave. and 19th St. $3,000,000. Work will be done by separate contracts. Schwartz & Gross, 347 5th Ave., archts. and engrs.

N. Y., New York—LOFT—C. Glaser, 1451 Bway., will build 12 story, 50 x 100 ft., brick, steel and stone, plain foundation, 214 West 28th St. Work will be done by separate contracts.

Pa., Phila. — HOSPITAL—Pennsylvania Hospital, 2 story and basement, 43 x 240 ft., rein.-con., brick and steel, plain foundation, 49th and Market Sts., to Irwin & Leighton, 126 North 12th St. Archts. est. $250,000. Noted Aug. 20.

Pa., Phila.—HOSPITAL—Dept. Health, W. Krusen, dir., City Hall, plumbing for General Hospital, 34th and Pine Sts., to N. Connolly, 1404 North 15th St., $288,200; heating and ventilating, to W. Anderson, 600 Schuylkill Ave., $446,145; electrical work, to Ross Electric Contg. Co., 106 Fairmount Ave., $239,800. Grand total $974,145. Noted Aug. 20.

Pa., Phila.—THEATRE—W. Freihofer, Land Title Bldg., 1 story and basement, 93 x 197 ft., rein.-con., brick and steel, plain foundation, Frankfort Ave. and Margaret St., to G. Kessler Constr. Co., 1733 Mervine St. Archts. est. $150,000.

Pa., Phila.—SALES, SERVICE and REPAIR—Thornton-Fuller Auto Co., Parkay and 18th Sts., 4 story and basement, 300 x 300 ft., rein.-con. and brick, plain foundation, 24th and Bainbridge Sts., to W. Steele & Sons Co., 219 North Broad St. Archts. est. $1,000,000.

Pa., Phila.—WAREHOUSE—J. E. Bullock, archt., 34 South 17th St., 3 story and basement, 66 x 168 ft., brick and steel, concrete pile foundation, 10th and Erie Sts., to A. R. Raff Co., 1636 Thompson St., for Tomlinson Holding Corp., c/o architect. Noted June 25.

Pa., Pittsburgh — GARAGE — Pittsburgh Parking Co., Inc., c/o Dilworth Porter Co., general contract 9 story and basement, 120 x 145 ft., 6th Ave., to Mellon Stuart Co., Oliver Bldg. Archts. est. $400,000. Noted July 30.

Md., Baltimore—APARTMENT — Abell Building Co., Calvert Bldg., will build 4 story and basement, 107 x 175 ft., rein.-con., brick, plain foundation, Park Heights Ave. near Charlesworth Rd. $300,000. F. A. Fletcher, 407 North Charles St., archt.

Md., Baltimore—WAREHOUSE, etc.—E. J. Wachter, 20 East Mt. Vernon Pl., 7 story, 86 x 88 ft., rein.-con., brick, plain foundation, Liberty and Redwood Sts., to Consolidated Eng. Co., 20 East Franklin St., $150,000.

Fla., West Palm Beach (Palm Beach P. O.)—HOTEL—Ritz-Carlton Hotel Corp., 46th St. and Madison Ave., New York City, N. Y., hotel, at Boca Raton, near here, to Dwight P. Robinson & Co., 125 East 46th St., New York City, N. Y., for Mizner Development Corp., Boca Raton. $4,000,000.

O., Cincinnati—APARTMENT — Walnut Hills Apartment Co., 303 Provident Bank Bldg., 5 story and basement, rein.-con. and brick, plain foundation, Woodburn Ave., to Erwin-Schwartz Co., 303 Provident Bank Bldg., $350,000. Noted Aug. 7.

O., Cleveland — COMMERCIAL and APARTMENT—F. S. Jones, 1521 Guardian Bldg., 3 story and basement, 75 x 150 ft., brick and steel, Hough Ave. and Crawford Rd., to Walker-McDonald Co., 1351 East 93rd St. Archts. est. $150,000. Noted July 16.

Ill., Chicago—OFFICE and STORE—Wabash-Monroe Building Corp., E. A. Jackson, pres., 608 South Dearborn St., 16 story and basement, 76 x 170 ft., Wabash Ave. and Monroe St., to G. A. Fuller Co., 140 South Dearborn St. Archts. est. $3,000,000.

Minn., St. Paul — NURSES HOME — St. Josephs Hospital, 9th and Exchange Sts., general contract 6 story and basement, rein.-con., brick and stone, on hospital site, to F. C. Norlander, 408 Metropolitan Bank Bldg. Archts. total est. about $275,000.

Kan., Topeka—HOTEL and THEATRE—Crosby Bros. et al., 7th and Jackson Sts., 12 story and basement, rein.-con., brick, stone, steel and terra cotta hotel and 3 story and basement, 74 x 125 ft. theatre adjoining hotel, 7th and Jackson Sts., to J. M. Leeper, 7th and Holliday Sts. Noted Sept. 3.

Neb., Grand Island—APARTMENT—W. D. Boyll will build 3 story and basement, 30 x 80 ft., 40 x 82 ft., and 38 x 118 ft., rein.-con. and brick apartment, by day labor. $150,000.

Neb., Grand Island—TEMPLE—Masonic Temple Building Com., general contract, 6 story and basement, rein.-con., here, to Goehring Sothman Co., Grand Island, $127,778. Noted Aug. 20.

Neb., Lincoln—AUDITORIUM—University of Nebraska Athletic Bldg. Assn., 1 story, balcony and basement, 52 x 118 ft., and 63 x 247 ft. rein.-con., brick and steel auditorium, to W. J. Assenmacher Co., 626 North 17th St., $250,000.

Neb., Omaha—OFFICE—Owner, B. Kulp, trustee, 3158 West Madison St., Chicago, Ill., general contract, 17 story, basement and sub-basement, 88 x 132 ft., rein.-con. and steel, 17th and Dodge Sts., to Seldon-Breck Constr. Co., Fullerton Bldg., St. Louis, Mo. $800,000.

Wash., Seattle — BANK — J. Graham, archt., Dexter Horton Bldg., 3 story and basement, 70 x 235 ft., brick and terra cotta, 1st and Spring Sts., to H. Pederson, 301 North 73rd St., for Washington Mutual Savings Bank, 1st and Spring Sts., $175,000 cost plus percentage basis.

B. C., Vancouver—STORE—Hudson Bay Co., Granville and George Sts., superstructure 6 story and basement, 123 x 150 ft., rein.-con. department store, to Coster Hales-Aldingers Co., Bekins Bldg., $200,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Fitchburg—HIGH SCHOOL—City, N. P. Lawrence, chn. School Building Com., having plans prepared by Haynes & Mason, 280 Main St., 2 story, brick high school. $500,000. Noted Jan. 29.

Mass., Peabody—SCHOOL—City, Mayor's Office, City Hall, plans brick school. $150,000 or more. Engineer and architect not selected.

N. Y., Long Beach—SCHOOL—Bd. Educ., having plans prepared brick, steel and stone, plain foundation, Neptune Blvd. $300,000. Private plans.

N. J., Atlantic City—SCHOOL—City Comn., plans school, New Jersey and Artic Aves. $700,000. J. A. McNamee, city clk. Engineer and architect not selected.

N. J., Camden — SCHOOLS — Bd. Educ. Pensauken Twp., Aug. 21, rejected bids 2 schools, 1 on 55th St. and Forrest Ave. and

Buildings—Educational, Religious (Cont.)

other Wistaria and Lexington Aves. Will readvertise. I. T. Catharine, Franklin Trust Bldg., Phila., pa.; archt.

Pa., Phila.—SCHOOL—P. F. Getz, archt., Victor Bldg., rejected bids Sept. 1, 3 story and basement, 58 x 108 ft. parochial school, 4th and Brown Sts., for St Agnes Slovak Church, J. L. Yorke, pastor. Will readvertise.

Pa., Pittsburgh—SCHOOL—St. Bedes Roman Catholic Congregation, Dallas Ave., having plans prepared by W. P. Hitchins, 2nd Ave. and Smithfield St., 1, 2 and 3 story and basement, brick and stone, Dallas and Willard Aves $500,000.

O., Ashtabula—SCHOOL—Bd. Educ. takes bids in fall, 2 story and basement school, West Prospect St. $350,000.

O., Cleveland—SCHOOLS—Bd. Educ., having plans prepared by G. M. Hopkinson, East 6th St. and St. Clair Ave., Alexander Hamilton Junior High School, 3 story and basement, Kinsman and East 130th Sts., $990,000; Junior High School, 2 story and basement, Grovewood Ave., $825,000; and elementary school, 2 story and basement, Oak Park Ave., $385,000, all brick, steel and concrete.

Mich., Detroit—SCHOOL—Bd. Educ., 1354 Bway. Ave., having plans prepared by McGrath, Dohmen & Page, 2231 Park Ave., 2 story and basement, 200 x 200 ft., reinforced con., brick and steel, Clippert St. $400,000.

Ill., Chicago—HALL—University of Chicago, 230 South Clark St., having plans prepared by Coolidge & Hodgdon, 134 South La Salle St., Wieboldt Hall, 3½ story and basement, rein.-con. and stone hall, to be used as libraries, research rooms, etc., on campus. $1,000,000.

Ill., Urbana—PHARMACY—University of Illinois, having plans prepared by J. M. White, supervising archt., 256 Administration Bldg. of University, addition to School of Pharmacy, on campus. $350,000 appropriated. Engineer not selected.

Wis., De Pere—ABBEY—Norbertine Fathers, B. Pennings, pastor, having preliminary plans prepared by W. E. Reynolds, 113 South Roosevelt St., Green Bay, 2 story and basement, 100 x 164 ft., brick and concrete, plain foundation. To exceed $150,000.

Neb., Lincoln—SCHOOL—Bd. Educ., J. G. Ludlam, secy., soon takes bids, Park Grade School, 2 story and part basement, rein.-con., brick and stone, 9th and F Sts. $325,000. Davis & Wilson, 525 South 13th St., archts.

Tex., Coleman—HIGH SCHOOL—Bd. Educ., c/o B. F. Robey, secy., takes bids about Nov. 1, 2 story and basement, rein.-con. brick and stone high school, $150,000. W. G. Clarkson & Co., 606 1st Natl. Bank Bldg., Fort Worth, archt. Noted Aug. 20.

Tex., Dallas—SCHOOLS—Bd. Educ., c/o C. M. Moore, secy., Akard and Royal Sts., having plans prepared by C. D. Hill & Co., 801 Central Bank Bldg., Ruthmede Schools, 2 story, 88 x 206 ft., Pembroke and South Adams Sts., and Hay School, 2 story 88 x206 ft. Gilbert and Herschel Sts. also having plans prepared by H. A. Overbeck, 306 Melba Bldg., 2 story and basement, 115 x 150 ft. addition to Bowie School, 7th and Lancaster Sts., all rein.-con., brick and stone. $150,000 each.

Okla., Norman—DORMITORIES—University of Oklahoma, c/o C. Rice, chn., Oklahoma City, soon takes bids two 3 story, 150 x 200 ft. rein.-con. and brick, plain foundation, near here. $150,000 each. J. Hicks, 908 Braniff Bldg., Oklahoma City, archt. Noted Apr. 23.

BIDS DESIRED

Mass., Haverhill—SCHOOL—School Bd., taking bids 2 story brick addition to Tilton School, Grove St. $200,000. Morse & Chase, 25 Washington Sq., archts. Noted June 18.

Mass., Jamaica Plain (Boston P. O.)—SCHOOL—St. James Roman Catholic Church, taking bids 2 story and basement, brick and stone school. $150,000. M. Sullivan, 100 Boylston St., Boston, archt.

Mass., Quincy (Boston P. O.)—HIGH SCHOOL—City, P. E. Barbour, mayor, taking bids Junior High School, 1 and 3 story and basement, 63 x 172 ft., and 82 x 138 ft., brick and stone, plain foundation, East

SUBWAY—PHILADELPHIA, PENN.

Bids were opened by Dept. City Transit, Aug. 18, for constructing portion of Broad Street Subway, in Broad Street, from north of Courtlandt Street to north of Grange Avenue, and in Grange Avenue from Broad to Marvine Streets; grading and construction of sewers, retaining walls and building foundations in Terminal Yard, Contracts Nos. 107-A and 107-B, (A) Patrick McGovern, Inc., 3427 North Broad St. (awarded contract); (B) Rodgers & Hagerty, Inc., 70 East 45th St., New York; (C) Booth & Flinn, Ltd., 17 Battery Pl., New York; (D) Frederick L. Crawford, Inc., & Locher & Co., Inc., 149 Remsen St., Brooklyn; (E) The Arundel Corp., Pier 2, Pratt St., Baltimore, Md. The unit bids are as follows:

	A	B	C	D	E
Subway construction in Grange Avenue and appurtenant work (lump sum)	$2,000,000.00	$2,250,000.00	$1,750,000.00	$1,998,000.00	$2,500,000.00
Utilized stored steel and iron					
838,000 lb. (a) not requiring alterations	.025	.03	.02	.025	.035
2,630,000 lb. (b) requiring alterations	.04	.04	.0325	.04	.05
Sewer crossing below tracks of Reading Company (lump sum)	30,000.00	50,000.00	15,000.00	30,000.00	45,000.00
Supporting Broad Street Bridge of Reading Company (lump sum)	60,000.00	100,000.00	50,000.00	50,000.00	90,000.00
600,000 cu.yd. subway excavation	7.30	8.75	10.50	11.00	10.00
7,400 cu.yd. excavation for pipes, sewers and conduits, etc	7.30	8.00	10.00	11.00	8.50
Surface excavation and grading in terminal yard:					
5,000 cu.yd. (a) stripping and piling of top soil	2.85	1.00	7.00	3.00	3.50
150,000 cu.yd. (b) excavating and grading	4.50	2.00	4.00	3.00	4.00
Underpinning:					
300 ft. of front (a) building 5 stories or less	80.00	70.00	50.00	75.00	105.00
50 ft. of front (b) buildings over 5 stories and less than 10 stories	80.00	100.00	80.00	150.00	135.00
10 cu.yd. (d) additional masonry for underpinning	50.00	50.00	50.00	40.00	50.00
Concrete masonry:					
60 cu.yd. (a) 1:1½:3	50.00	30.00	22.00	22.00	40.00
63,200 cu.yd. (b) 1:2:4	20.00	23.00	22.00	21.00	26.00
5,200 cu.yd. (c) 1:3:6	19.00	23.00	18.00	20.00	17.50
355 cu.yd. (d) 1:4:8	16.00	23.00	18.00	19.00	16.40
2,000 sq.ft. reinforced concrete sheeting	.50	1.50	2.50	2.00	1.50
2,000 bags cement grout	2.00	2.00	2.50	2.50	2.00
Granolitnic finish:					
10,400 sq.yd. (a) without abrasive	1.00	1.50	1.50	3.00	1.60
2,000 sq.yd. (b) with abrasive	2.35	2.90	2.50	3.00	3.00
150 cu.yd. brick masonry	65.00	50.00	35.00	50.00	36.00
200 cu.yd hollow terra cotta brick or tile masonry	60.00	50.00	35.00	50.00	34.20
3,300 sq.yd. vitrified brick sewer lining	7.00	8.00	10.00	4.50	6.00
Rubble masonry in mortar:					
5,170 cu.yd. (a) for piers and foundations	12.00	15.00	10.00	14.00	10.50
3,050 cu.yd. (b) for retaining walls and posts	14.00	22.00	12.00	14.00	13.00
100 cu.yd. dry rubble masonry	10.00	10.00	9.00	10.00	9.20
100 sq.yd. granite block sewer lining	6.00	8.00	6.50	6.00	5.90
290 cu.yd. broken stone or pebbles for drains, etc	5.00	4.00	5.00	4.00	5.70
Flagstones:					
400 sq.ft. (a) 2 in. thickness	.60	.80	.70	2.00	.85
100 sq.ft. (b) 4 in. thickness	1.00	1.25	1.10	3.00	1.45
100 sq.ft. (c) 6 in. thickness	3.00	3.00	2.50	4.00	2.20
Vitrified clay pipe:					
5,900 lin.ft. (a) 4 in. pipe	.40	1.00	.80	.50	.50
10,000 lin.ft. (b) 5 or 6 in. pipe	.70	1.50	.80	.60	.60
400 lin.ft. (c) 8 or 10 in. pipe	1.00	2.00	1.40	1.00	.90
8,300 lin.ft. (d) 12 in. pipe	1.25	2.50	2.00	2.00	2.40
10,150 lin.ft. (e) 15 in. pipe	2.00	3.00	2.60	2.50	3.50
900 lin.ft. (f) 18 in. pipe	4.00	5.00	3.75	4.00	4.45
100 lin.ft. (g) 20 in. pipe	4.75	5.50	4.50	5.00	5.10
1,330 lin.ft. (h) 24 in. pipe	6.30	7.00	6.00	7.00	6.60
655 lin.ft. (hh) 24 in. channel pipe	3.50	7.00	6.00	10.00	4.50
Extra-heavy cast-iron soil pipe:					
100 lin.ft. (a) 3 in.	.65	1.00	1.25	1.00	.90
100 lin.ft. (b) 4 in.	1.00	1.50	1.50	1.10	1.15
100 lin.ft. (c) 5 in.	1.20	2.00	2.00	1.50	1.70
4,000 lin.ft. (d) 6 in.	1.35	2.50	2.00	1.50	2.00
100 lin.ft. (e) 8 in.	2.50	3.00	3.00	3.00	3.40
100 lin.ft. (f) 10 in	3.50	4.00	4.00	4.00	4.70
100 lin.ft. (g) 12 in	4.00	5.00	6.00	5.00	6.00
60 building new manholes	350.00	400.00	450.00	300.00	265.00
200 vert. ft. building new wellholes	25.00	50.00	35.00	40.00	33.00
Inlets:					
2 (a) No. 1	300.00	300.00	275.00	200.00	330.00
23 (b) No. 2	275.00	300.00	300.00	200.00	260.00
3 (c) No. 3	260.00	300.00	300.00	200.00	220.00
Taking out and rebuilding inlets:					
7 (a) having standard pattern casting	100.00	150.00	225.00	150.00	330.00
2 (b) having old pattern casting to be replaced by standard pattern casting	200.00	250.00	225.00	250.00	330.00
58,000 sq.yd. asphalt mastic waterproofing	2.00	3.00	2.50	3.00	2.10
Fabric waterproofing:					
200 sq.yd. (a) 1-ply	1.25	1.50	1.25	1.00	1.05
400 sq.yd. (b) 2-ply	1.85	2.50	2.00	1.75	1.80
100 sq.yd. (c) 3-ply	2.75	3.50	2.50	2.00	2.50
100 sq.yd. (d) 4-ply	3.65	5.00	3.50	3.00	3.25
100 sq.yd. 1-ply dry roofing felt	1.10	1.50	1.50	1.50	.30

	A	B	C	D	E
10 cu. yd. brick in waterproofing compound	60.00	60.00	110.00	75.00	100.00
5,000,000 lb. riveted structural steel	.0675	.075	.07	.07	.065
12,800,000 lb. steel beams and shapes	.0675	.075	.07	.07	.06
9,350 sq.ft. steel gratings and frames	3.10	4.00	3.50	3.50	3.50
13,500 lb. miscellaneous—steel, ladders, stairs, plates, etc	.12	.20	.20	.15	.21
248,000 lb. tie rods, bolts, nuts, washers, dowels and anchor bolts	.10	.15	.10	.10	.18
10,000 lb. steel wire lath and anchors	.30	.20	.20	.20	.25
1,470,000 lb. steel reinforcing rods	.05	.06	.06	.05	.065
100 net tons interlocking steel sheet piling	25.00	150.00	105.00	150.00	125.00
Steel pipe piles:					
100 vert. ft. (a) 12 in.	1.00	10.00	10.00	10.00	8.90
500 vert. ft. (b) 15 in.	1.00	15.00	12.00	10.00	13.10
4,000 lb. wrought iron or steel pipe and size with fittings	.15	.20	.15	.20	.15
3 emergency exit covers	650.00	500.00	425.00	450.00	370.00
50,000 lb. cast iron frames and covers for manholes etc	.06	.10	.10	.10	.08
6,000 lb. miscellaneous iron castings other than manhole frames and covers	.08	.10	.17	.10	.12
10 10 in. grate top iron bell trap cesspools	10.00	12.00	15.00	20.00	7.90
200,000 ft. B.M. yellow pine lumber	50.00	100.00	75.00	100.00	120.00
Cast iron pipe, furnished, any size:					
45 net tons (a) bell and spigot straight	60.00	80.00	95.00	75.00	80.00
7 net tons (b) bell and spigot specials	175.00	200.00	190.00	200.00	120.00
Laying bell and spigot cast-iron pipe and specials:					
100 lin.ft. (a) 4 in.	.70	1.00	.60	1.00	.65
3,200 lin.ft. (b) 6 in.	.80	2.00	.75	1.00	.65
350 lin.ft. (c) 8 in.	1.15	2.50	1.10	2.00	1.00
620 lin.ft. (d) 10 in.	1.40	2.75	1.75	3.00	1.00
750 lin.ft. (e) 12 in.	1.80	3.00	1.80	3.00	1.30
Removing cast-iron pipe:					
100 net tons (a) bell and spigot straight and specials	20.00	30.00	20.00	25.00	26.00
Furnishing and setting bell end water gage valves:					
3 (a) 4 in.	40.00	50.00	30.00	50.00	26.00
6 (b) 6 in.	65.00	80.00	45.00	75.00	44.00
3 (c) 8 in.	80.00	100.00	90.00	100.00	70.00
3 (e) 12 in.	135.00	160.00	105.00	150.00	120.00
290 copper strainers	1.00	5.00	3.50	4.00	13.00
Vitrified clay ducts:					
30,800 duct ft. (a) 3 in.	.25	.30	.20	.30	.22
207,000 duct ft. (b) 3½ in.	.25	.30	.20	.32	.22
Fibre ducts:					
30,800 duct. ft. (a) 3 in.	.25	.25	.20	.30	.20
207,000 duct. ft. (b) 3½ in.	.25	.25	.20	.32	.21
Electrical conduits:					
1,500 lin.ft. (a) ¾ in.	.20	.30	.25	.60	.30
36,500 lin.ft. (b) 1 in.	.25	.35	.45	.60	.45
400 lin.ft. (c) 1¼ in.	.30	.50	.65	.70	.55
1,800 lin.ft. (d) 1½ in.	.35	.55	.75	.80	.60
400 lin.ft. (e) 2 in.	.40	.70	.85	1.50	.75
400 lin.ft. (f) 2½ in.	.80	1.10	.95	2.00	1.20
1,050 lin.ft. (g) 3½ in.	1.00	2.00	1.50	2.50	2.25
840 outlet boxes	2.00	1.50	2.75	2.00	2.00
140 pull boxes	6.00	3.00	7.50	3.00	4.00
160 reflector rings	2.00	10.00	6.00	15.00	6.30
Temporary lighting system	5,000.00	5,000.00	8,000.00	10,000.00	10,000.00
1,000 sq.yd. temporary brick sidewalk paving	2.30	3.50	2.50	3.00	3.30
Temporary granite block paving, gravel base:					
63,000 sq.yd. (a) for furnishing and laying new granite blocks	6.00	8.50	5.50	6.00	6.60
100 sq.yd. (b) for relaying granite blocks	6.00	3.50	1.75	5.00	2.00
Permanent roadway paving:					
2,000 sq.yd. (a) sheet asphalt	4.50	5.00	4.50	4.50	6.00
100 sq.yd. (b) bituminous concrete	4.50	5.00	4.00	4.50	6.00
100 sq.yd. (c) reinforced concrete	4.50	5.00	6.00	5.00	6.00
1,000 sq.yd. (d) smooth-dressed granite block	7.00	9.00	8.00	7.00	8.00
100 sq.yd. (dd) redressed granite block	5.00	7.00	5.00	7.00	6.00
400 sq.yd. (e) vitrified block	6.00	7.00	5.00	5.00	4.60
100 sq.yd. (f) wood block	6.00	7.00	5.00	6.00	4.60
Furnishing and laying curb:					
100 lin.ft. (a) 6 in. straight granite curb	3.50	3.50	3.50	3.50	3.60
6,000 lin.ft. (b) 8 in. straight granite curb	3.50	4.00	4.00	3.50	4.40
100 lin.ft. (c) 6 in. curved granite curb	4.75	4.50	7.00	8.00	4.40
480 lin.ft. (d) 8 in. curved granite curb	4.75	5.50	7.50	8.00	4.90
2,000 lin.ft. (e) 8 in. steel edge concrete curb	2.50	3.50	3.00	2.50	2.70
8,000 lin.ft. resetting curb	1.00	1.00	1.00	1.00	.80
Sidewalk paving:					
26,000 sq.yd. (a) new granolithic	3.00	3.00	2.90	3.00	3.00
500 sq.yd. (b) new brick	2.50	3.00	2.20	3.00	2.70
100 sq.yd. (c) laying flagstones	3.00	2.00	4.00	3.00	2.90
5,600 sq.yd. (d) restoration of grass plots	2.00	2.00	1.00	2.00	2.00
1,000 sq.ft. vault lights	3.00	4.50	3.75	3.50	4.00
1,700 sq.ft. safety treads	2.50	3.00	2.50	3.00	2.70
$300,000 expenditure for force account	10 per cent	15 per cent	20 per cent	15 per cent	15 per cent
Totals	$11,501,682	$13,087,330	$13,325,560	$13,836,890	$14,121,110
730,000 lb. stored steel not utilized—CREDIT TO THE CITY	.005	.01	.002	.01	.005
Extended totals	$11,498,032	$13,080,030	$13,324,100	$13,833,240	$14,113,810

Buildings—Educational, Religious (Cont.)

Squantum St. $400,000. F. I. Cooper Corp., 172 Tremont St., Boston, archts.

R. I., Warwick—SCHOOLS—J. Hill Pierce, Inc., archts., 90 Allen Ave., Providence, taking bids 2 story and basement, 40 x 64 ft., brick and steel additions to 3 schools, here, for School Com. $150,000.

Pa., Leetsdale—SCHOOL—Sept. 25, by C. Groetzinger, secy. Bd. Educ., for school, $150,000. J. H. Phillips, P. O. Box 977, Pittsburgh, archt.

Md., Baltimore—SCHOOLS—Sept. 23, by Bd. Awards, three 3 story and basement, rein.-con. and brick schools, plain foundations, at Rogers St. near Denmore Ave., 1 at Glenmore, Sylvan, and Christopher Aves., and other at Alto Ave. near Lyndhurst Ave. C. N. and N. Friz, Lexington Bldg., archts. H. F. Doeleman, 597 North Charles St., engr.

D. C., Wash. — SCHOOLS — Sept. 15, by Dist. Comrs., District Bldg., for Sheridan St., Decatur St., and Brightwood Park Schools. Noted April 2 and Aug. 20.

Mich., Marquette—HIGH SCHOOL—Sept. 22, by Bd. Educ., H. A. St. John, secy., 3 story and basement, 200 x 262 ft., brick, tile and concrete, plain foundation. $470,000. J. D. Chubb, 109 North Dearborn St., Chicago, Ill., archt.

Ill., Chicago—HIGH SCHOOL—Sept. 29, by Bd. Educ., 650 South Clark St., general contract 2 story and basement, 245 x 475 ft., brick and steel, Bosworth and North Shore Aves. $1,250,000. J. C. Christensen, 650 South Clark St., archt.

BIDS RECEIVED

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, Sept. 2, P.S. 219, Clarkson Ave. from East 93rd to East 94th Sts., here, from Guidera & LaSalle, 391 East 149th St., New York City, $687,925; plumbing, from J. E. Kahn, 224 West 20th St., New York City, $29,490; heating, from A. B. Simpson Co., Inc., $34,250. Noted Aug. 20.

N. J., Hammonton—HIGH SCHOOL—Bd. Educ., 2 story and basement, 109 x 132 ft., 67 x 114 ft., and 66 x 166 ft., general contract, from G. W. Shaner, Palmyra, $214,076. Noted Aug. 27.

N. J., Margate City (mail Ventnor) — SCHOOL—School Bd., 2 story and basement, 121 x 124 ft., and 39 x 58 ft., Haverford and Winchester Aves., general contract, from J. M. Yardley, 1739 Sansom St., Phila., Pa., $183,650; heating, from Currie Co., 1233 South Atlantic Ave., Atlantic City, $32,448. Noted Apr. 2.

Pa., Midland — HIGH SCHOOL — Bd. Educ., 2 story and basement, 150 x 250 ft. high school, from Cook Anderson Co., Beaver, $162,000, alternate (1) add $17,000 (2) add $50,000 (3) add $17,000 (4) add $2,800. Noted April 16.

O., South Euclid (Euclid P. O.)—SCHOOL—Bd. Educ., P. Prasse, clk., 2 story and basement, brick, steel, and concrete, from M. B. Parker Constr. Co., Union Bldg., Cleveland, $279,822. Archts. est. $400,000. Noted Dec. 18.

Ia., Des Moines — CHURCH — Grace Methodist Episcopal Congregation, c/o L. M. Grigsby, 936 18th St., general contract 3 story and basement, 60 x 214 ft., and 82 x 88 ft., rein.-con., brick, steel and stone, 37th and Cottage Grove Sts., from J. Widerberg, 1106 Thompson St., $315,485; heating and plumbing, from Goff Plumbing & Heating Co., 514 8th St., $24,766. Noted June 18.

CONTRACTS AWARDED

Mass., Fitchburg—CHURCH — Immaculate Conception Church, 1 story and basement, brick and stone, to L. Rocheford & Son, 44 Front St., Worcester. Archts. est. $150,000. Noted June 22.

Mass., South Lowell (mail Lowell)—CHURCH—St. Joseph's Parish, 1 story and basement, brick and stone, to A. Rodrigue, 34 Easton St., Lowell. Archts. est. $150,000. Noted Sept. 3.

Md., Baltimore—CHURCH—St. Casimirs Roman Catholic Church, Kenwood Ave. and

Buildings—Educational, Religious (Cont.)

O'Donnell St., 1 story and basement, 70 x 207 ft., stone, plain foundation, Lakewood Ave. and O'Donnell St., to L. L. Chambers, 36th St. and Roland Ave. $150,000. Noted July 23.

O., Cleveland Heights (Warrensville P. O.)—HIGH SCHOOL—Bd. Educ., W. G. Nesbitt, dir., 1781 Lee Rd., 2 story and basement, 120 x 150 ft., and 60 x 63 ft. addition to Junior High School, Roxboro and Colchester Rds., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $400,000. Noted Sept. 3.

O., Columbus—HIGH SCHOOL—Bd. Educ., E. L. McCune, clk., general contract Everett Junior High School, 3 story, 105 x 140 ft., rein.-con. and brick, Dennison and 4th Aves., to D. W. McGrath, 255 East Broad St., $138,985; heating and ventilating, to J. H. Myers Co., Columbus, $32,390. Noted Aug. 6.

Mich., Detroit—SCHOOL — Bd. Educ., 1354 Bway. Ave., 2 story and part basement, rein.-con., brick and steel, Bremen and Waveney Aves., to Corrick Bros., 507 Owen Bldg., $154,346. Noted July 30.

Minn., St. Paul—CHAPEL and SCHOOL—St. Joseph Academy, Western Ave. and Nelson St., general contract 4 story and basement, rein.-con., brick and stone, Randolph St., to H. N. Leighton Co., 127 South 10th St., Minneapolis. Archts. total est. $300,000.

Kan., Topeka—SCHOOL—Bd. Educ., general contract 2 story and basement, 77 x 120 ft., and 62 x 106 ft., concrete, brick and stone, 3rd and Buchanan Sts., to G. H. Gurtler Co., 1266 Buchanan St. Noted Aug. 20.

Tex., San Marcos—SCIENCE—State Building Comn., Austin, S. B. Cowell, chn. State Bd. Control, 3 and 4 story, 69 x 165 ft., rein.-con., brick and stone, here, to Dielman Constr. Co., 306 East Commerce St., San Antonio, for Southwest Texas State Teachers' College. $126,795. Noted July 2.

Tex., Nacogdoches—LIBRARY—M. O. Flowers, chn. State Teachers' College, Bd. Regents, Rusk Library, 3 story, 68 x 200 ft., rein.-con. and brick, at Stephen F. Austin College, to F. A. Mote & Co., 1509 McCoy St., Dallas, $189,700. Noted Aug. 20.

Nev., Reno—EXPOSITION—State Building comn., Carson City, general contract cement, stone and brick, at Reno Highway Exposition, here, to Campbell Constr. Co., Nicolaus Bldg., Sacramento, Calif., $210,070. Noted June 25.

Federal Government Work

PROPOSED WORK

Idaho — Sandpoint — Post Office—Treas., Dept., at office Supervising Archt., Wash., D. C., July 28, rejected bids post office, here. Will readvertise and redesign. Noted July 9.

BIDS DESIRED

Mass., Boston—Pumps, etc.—Sept. 15, by Bureau Supplies & Accounts, Navy Dept., Wash., D. C., fuel oil pumps and condenser tubes, for Navy Yard, here.

Ala., Florence—Gate Hoist—Sept. 23, by U. S. Engineer Office, movable head gate hoist for power house, Wilson Dam, Tennessee River; adv. E. N.-R. Sept. 10.

Ala., Florence — Gate Machinery — Sept. 12, by U. S. Engineer Office, War Dept., Wash., D. C., gate operating machinery for lock gates Dam No. 1, Tennessee River, here.

Mich., Cheboygan—Post Office—Sept. 30, by Treas. Dept., at office Supervising Archt., Wash., D. C., 1 story, and basement, brick and stone post office, here.

Mo., Kansas City — Dike — Sept. 15, by U. S. Engineer Office, 2,100 ft. dikes, at Howard Bend, Missouri River.

BIDS RECEIVED

Minn., Fairmont — Post Office — Treas. Dept., Office. Supervising Archt., Wash., D. C., Sept. 1, post office, here, from F. R. Comb Co., 2113 Chicago Ave., Minneapolis, Minn., $48,765. Noted Aug. 20.

Colorado — Roads — Bureau Pub. Roads, 301 Custom House, Denver, grading 6.88 mi. Tennessee Pass Natl. Forest Rd. Project, Pando Sect., Eagle Co., from Stamey-Mackey Constr. Co., Hutchinson, Kan., $61,740; 3.5 mi. South St. Vrain Natl. Forest Rd. Project, Ferncliff Sect., Boulder Co., from C. Ryan, 4892 Julian St., Denver, $27,060; 5.09 mi. Cumbers Pass Natl. Forest Rd. Project, Elks Creek-La Manga Sect., Conejos Co., from Shields & Kyle, Pueblo, $37,141. Noted Aug. 6.

CONTRACTS AWARDED

Mass., Rutland — Excavation — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., 5,000 cu.yd. excavation, here, to Streeter & Son Co., Glenwood St., Worcester, at $1.25 per cu.yd.

Va., Fort Monroe — Bridge — Office Constructing Quartermaster, two 54 ft. span, rein.-con. bridge at Big Bethel, to Gannaway-Hudgins Co., 18 North King St., Hampton, $15,620.

Fla., Jacksonville — Pontoon Catamarans —U. S. Engineer Office, Wash., D. C., pontoon catamarans for dredge Welatka, here, to Canal Steel Wks. Inc., P. O. Box 347, New Orleans, La., $26,800. Noted Aug. 6.

Mich., Detroit — Borings — U. S. Lake Survey Office, Old Customs House, diamond drill borings Bernhart Island, in St. Lawrence River, to Pen Drilling Co., 7812 West Carson St., Pittsburgh, Pa., $14,000. Noted Aug. 20.

Ill., Maywood—U. S. Veterans Hospital Bureau, 791 Arlington Bldg., Wash., D. C., animal house and repair shop, here, to G. Griffiths Constr. Co., 705 Olive St., St. Louis, Mo., $23,900. Noted Aug. 27.

Ia., Knoxville—Roads and Walks—U. S. Veterans Hospital, Room 791, Arlington Bldg., Wash., D. C., roads and walks at hospital, here, to J. W. Turner Impvt. Co., 309 Youngerman Bldg., Des Moines, $35,600. Noted May 21.

Calif., San Francisco—Dredging—U. S. Engineer Office, Wash., D. C., dredging in Petaluma Creek, Dist. 1, here, to Amer. Dredging Co., 255 California St., $40,538. Noted July 16.

Unclassified

PROPOSED WORK

Golf Course—Highgate Springs, Vt.—E. G. Hilton, Swampscott, Mass., plans reconstructing grounds at Lakeview hotel, incl. golf course. $25,000. Engineer not selected.

Playground—Roxbury (Boston P. O.)—**Mass.**—Street Laying-out Dept., Boston, plans playground, Kearsage Ave. and Winthrop St., here. $25,000. J. F. Sullivan, secy.

Car Barns—St. Petersburg, Fla.—See "Railways" under "Florida."

Power Line — Tennessee — Tennessee Power Co., 317 Walnut St., Chattanooga, E. D. Reed, pres., plans electric line on Kingston Pike from Lenoir City to Ten Mile Creek. $25,000.

Swimming Pool—Clarksville, Tenn.—See "Excavation, Drainage, Irrigation, Levees."

Park Improvements—Cleveland, O.—City plans completing Forest Hill Park roadway and swimming pool $150,000. H. Kregelius, City Hall, archt.

Traffic Signals — Cleveland, O. — City, E. D. Barry, dir. P b. Safety, election Nov. 3, $175,000 bonds, for additional synchronized traffic signals.

Stadium—Cleveland, O.—Big Ten University Club, c/o C. L. Shmock, secy., 1620 Euclid Ave., plans 1 story, rein.-con., 50,000 seating capacity, East 71st St. and Hough Ave. $300,000. Engineer and architect not selected.

Transmission Line—Oklahoma—Town of Wellston Election Sept. 14, $25,000 bonds, electric transmission line from Chandler to Wellston and electric system in Wellston. R. K. Johnson, Chandler, engr.

Transmission Line—Oklahoma—Town of Raddlett election Sept. 11, $25,000 bonds, electric transmission line to Snyder, and distribution system in Raddlett. E. R. Ernsberger, Continental Bldg., Oklahoma City, engr.

Swimming Pool — Marysville, Calif. — Plans election in January, $50,000 bonds, 80 x 160 ft. swimming pool.

BIDS DESIRED

Heating and Ventilating—Boston, Mass.—Sept. 16, by Bd. Trustees Boston Sanitarium, City Hall, heating and ventilating system in out patient building, 57-61 East Concord St. $25,000. Former bids rejected. French & Hubbard 210 South St., engrs. Noted Aug. 20.

Heating and Ventilating — Worcester, Mass.—See "Buildings—Commercial."

Ventilation Buildings—New York, N. Y.—Oct. 6, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., New York City, two 5 story, brick and steel ventilation buildings, one on Washington St. between Canal and Spring Sts., and other over river shaft between Piers No. 34 and 35, North River, also completing interior of New York land and river shafts, Contr. 13 of Holland Tunnel. G. R. Dyer, chn. former and T. Boettger, chn. latter commissions; adv. E. N.-R. Sept 10.

Subway—New York, N. Y.—Sept. 15, by Bd. Transportation, 49 Lafayette St., subway along and under Fort Washington Ave., Bway. and private property from Overlook Terrace to Dyckman St., Sect. 1, Route 105. J. H. Delaney, chn.

Wharf—New Orleans, La.—Sept. 15, by Bd. Port Comrs., 200 New Court House Bldg., alterations, etc., to wharves and sheds at Girod and Julia Sts.

Sea Wall — Lockport, Ill. — Sept. 17, by H. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., Chicago, 1.5 mi. concrete wall on east side main channel, incl. removal 21,000 cu.yd. concrete wall and replacing 29,000 cu.yd. rein.-con. wall, here. M. Eller, chn.

Transmission and Telephone Lines — Staunton, Ill.—See "Waterworks."

Gravel Pit, etc.—Success, Ark.—W. H. Meredith, Poplar Bluff, Mo., plans gravel pit on Current River, near here, and takes bids about Jan. 1, for equipment, incl. probably section dredge and clam shell unloader from barges to railroad cars. $75,000.

Heating Plant—Commerce, Tex.—W. R. Ragsdale, archt., West Lee St., Greenville, taking bids remodeling heating plant, incl. concrete subway, repairs and alterations to pipe lines from present steam heating plant, here, for East Texas Teachers' College, c/o A. Whitley. $50,000.

Pipe — Dallas, Tex — City, c/o M. G. James, secy., taking bids 50 tons 4 in. Class "B" B. & S. c.i. pipe, or De Lavaud.

Breakwater—Port Maitland, Ont.—Sept. 23, by S. E. O'Brien, secy. Bd. Pub. Wks., Parliament Bldgs., Ottawa, breakwater in Yarmouth Co., here. $25,000.

Pier—Toronto, Ont.—Sept. 24, by S. E. O'Brien, secy., Bd. Pub Wks., Parliament Bldgs., Ottawa, reconstructing 864 ft. superstructure West Pier, in East Channel, York Co., here. $300,000.

Underground Conduits—Montreal, Que.—Sept. 9, by Executive Com., at City Hall, underground conduits, etc. in St. Lawrence Blvd., North St. Catherine, West Bleury and South Laguchetiere Sts. R. Bauset, city clk.

BIDS RECEIVED

Bulkhead—New York, N. Y.—Dept. Pub. Markets, Municipal Bldg., Sept. 6, removing present timber crib bulkheads and constructing foundations, bulkheads, docks, slips, dredging and backfilling for Municipal Terminal Market, Exterior and East 151st St., Bronx Boro, from H. P. Converse & Co., Inc., 440 East 142nd St., $784,000.

Wharves — New Orleans, La. — Bd. Port Comrs., New Court House Bldg., reconstructing and additions to Piety, Louisa, and Clourt St. wharves, etc., from R. P. Farnsworth & Co., Canal-Commercial Bldg., $93,420; for 870,000 ft. creosoted timber, and 1,610 creosoted piles, from Amer. Creosote Wks., Inc., Southport, $53,400.

CONTRACTS AWARDED

Jetty, etc.—Barnegat, N. J.—State Bd. Comm. & Navigation, Trenton, hook jetty, and 3 timber groins, in Barnegat Inlet, Ocean Co., to Wooley & Howland, 99 Atlantic Ave., Long Branch, $62,005. Noted Aug. 27.

Heating and Ventilating, etc.—Phila., Pa.—See "Buildings—Commercial."

Grain Tanks—Minneapolis, Minn.—Daniels Midland Co., 29th Ave. S. E., and Chicago Great Western R.R. tracks, 4 grain bins, rein.-con., 625 Malcolm Ave. S. E., to Barnett & Record Co., 700 Flour Exch. Bldg., about $100,000.

Materials

BIDS DESIRED

Lumber, etc —New York, N. Y.—Sept. 16, by J. E. Bowe, comr. Purchase, Municipal Bldg., lumber, railroad ties and building materials to Departments of Parks—Bronx, and Plant and Structures up to Dec. 31.

BIDS RECEIVED

Paving Blocks — Brooklyn, N. Y. — J. A. Guider, boro pres. Boro Hall, Sept. 2, 75,000 Grade 1 granite paving blocks, from Terminal Supply Co., 350 Madison Ave., New York City, $10,340.

Cement, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Sept. 3, 20,000 bags cement, from J. A. McCarthy, 551 Exterior St., $13,600, 500 tons asphaltic joint filler, from Warner Quinlan Co., 79 Wall St., $12,241; 1,200 cu.yd. sand grit, from Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, $1,908. Noted Aug. 27.